

APPENDIX B: MUC-5 TEST SCORES

This appendix contains the summary score reports for each system on the MUC-5 evaluation. The reports are ordered by language/domain (EJV, JJV, EME, JME) and secondarily by site (in alphabetical order).

Deeper investigation into system performance may be done on the basis of template-by-template score reports, which detail the performance of the system on each article in the test set. The template-by-template score reports are not included in this appendix.

A brief introduction to reading the score reports is presented here. Some information on the performance metrics may also be found in the paper, "Tipster/MUC-5 Information Extraction System Evaluation" by B. Sundheim in this volume. Further description of the score report and further definition and explanation of the scoring categories and performance metrics may be found in this volume in the paper titled "MUC-5 Evaluation Metrics" by N. Chinchor and B. Sundheim.

The first column in the report, **SLOT**, contains one of the following three types of label:

- A slot name, e.g., **content**
- An object name, e.g., **<template>**
- The word "subtotals"

Of the three types of rows, the one of primary interest is the one labeled with a slot name. The rows labeled with an object name may be disregarded. The rows containing subtotals may be of interest to those interested in performance on the various types of objects in the template.

The following tallies for the test set are presented in columns in the score reports:

POS	Number possible (= COR+PAR+INC+MIS), i.e., the number of fills a system should generate. This value is somewhat variable among systems because of alternative cardinalities of slot fills allowed for in the answer key.
ACT	Number "actual" (= COR+PAR+INC+SPU), i.e., the number of fills generated by the system under evaluation
COR	Number correct
PAR	Number partially correct
INC	Number incorrect
SPU	Number spurious
MIS	Number missing
NON	Number "noncommittal," i.e., number of null slot fills generated by system, where the fill is also null in the answer key

The rightmost columns in the report contain the scores for the following extraction metrics:

ERR	Error per response fill	= $(.5PAR+INC+SPU+MIS)/(COR+PAR+INC+SPU+MIS)$
UND	Undergeneration	= MIS/POS
OVG	Overgeneration	= SPU/ACT
SUB	Substitution	= $(.5PAR+INC)/(COR+PAR+INC)$
REC	Recall	= $(COR+.5PAR)/POS$
PRE	Precision	= $(COR+.5PAR)/ACT$

None of the above metrics includes the **NON** scoring category in its computation. Readers who wish to consider noncommittal fills to be correct may revise the formulas by including **NON** in all denominators and in those numerators where **COR** appears. Note, however, that the high undergeneration scores obtained by most systems on many slots in the evaluation places in question the value of considering noncommittal fills to be correct.

The first two rows at the bottom of the report are the **ALL-OBJECTS** and **MATCHED-ONLY** rows. These offer two options in the way the **ERR**, **UND**, **OVG**, **SUB**, **REC**, and **PRE** scores are computed.

ALL-OBJECTS gives the official overall tallies and overall **ERR**, **UND**, **OVG**, **SUB**, **REC**, and **PRE** scores. The tallies in **POS**, **ACT**, **COR**, **PAR**, **INC**, **SPU**, **MIS**, and **NON** columns add up to the **ALL-OBJECTS** values, but not all rows are considered. The rows that are not considered are the object rows (i.e., those where the entry in the **SLOT** column is an object name), the subtotal rows (since they simply sum up the tallies for the scored slots in each object), and the following slot rows in the **<template>** object: **doc-nr**, **doc-date**, and **doc-source** (these appear only in the EJV and JJV full-template reports).

MATCHED-ONLY contains tallies and scores given a method of scoring that eliminates slot-fill penalties in the case where the system under evaluation failed to generate an expected object and in the case where it generated a spurious object. The tallies in the slot rows do *not* sum up to the totals contained in the **MATCHED-ONLY** row.

The scores for the metrics in the **ALL-OBJECTS** and **MATCHED-ONLY** rows are not computed by averaging the scores in the individual slot rows, but instead are computed on the basis of the tally totals contained in the **ALL-OBJECTS** or **MATCHED-ONLY** row.

The remaining rows at the bottom of the report contain scores for the following metrics:

TEXT-FILTERING	Text filtering (document detection)
RICHNESS-NORMALIZED-ERROR	Richness-normalized error (normalized version of error per response fill)
ERROR-RATE-PER-WORD	Error rate per word
F-MEASURES	F-measures (weighted combination of recall and precision)

The formulation of each of the above metrics is described below.

Text-filtering scores are computed on the basis of relevant/nonrelevant decisions made by the system for the *text as a whole*, not on the basis of tallies in the slot rows. Some of the score category columns are used to contain the tallies for these decisions across the test set: **COR** (decides relevant and relevant is correct), **SPU** (decides relevant and nonrelevant is correct), **MIS** (decides nonrelevant and relevant is correct), and **NON** (decides nonrelevant and nonrelevant is correct). Text-filtering formulas are therefore as follows: **REC** = **COR**/**(COR+MIS)**; **PRE** = **COR**/**(COR+SPU)**; **UND** = **MIS**/**(COR+MIS)**; **OVG** = **SPU**/**(COR+SPU)**.

Two values of richness-normalized error are computed. The formulas are as follows: **Min-err** = **Wrong**/**All-fills**, **Max-err** = **Wrong**/**Req-fills**. There will be a range of fill counts from the minimum number of fills required (**Req-fills**) to the maximum number of fills allowed (**All-fills**), according to the answer key. These values are almost, but not quite, system-independent.

Error rate per word is computed as **Wrong**/**Word-count**. The scores for Japanese are not accurate.

F-measure scores corresponding to three different weightings of precision relative to recall are computed. The **P&R** value weights precision the same as recall; the **2P&R** value gives twice the weight to precision; the **P&2R** value weights precision half as much as recall. The general formula is $F = (\beta^2 + 1.0) \times P \times R / (\beta^2 \times P + R)$, where β is the weighting factor.

EJV Summary Scores
BBN PLUM System

1. Full-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	282	282	282	0	0	0	0	0	0	0	0	0	100	100
doc-nr	282	282	282	0	0	0	0	0	0	0	0	0	100	100
doc-date	275	282	273	0	2	7	0	0	3	0	2	1	99	97
doc-source	276	213	207	0	0	6	69	0	26	25	3	0	75	97
content	348	331	253	0	10	68	85	6	39	24	20	4	73	76
subtotals	348	331	253	0	10	68	85	6	39	24	20	4	73	76
<tie-up>relati	348	330	253	0	10	67	85	0	39	24	20	4	73	77
status	348	330	210	0	53	67	85	0	49	24	20	20	60	64
entity	791	861	469	0	55	337	267	0	58	34	39	10	59	54
joint-venture	179	71	35	0	10	26	134	96	83	75	37	22	20	49
ownership	103	99	46	0	2	51	55	150	70	53	52	4	45	46
activity	387	226	115	0	17	94	255	17	76	66	42	13	30	51
subtotals	1808	1587	875	0	137	575	796	263	63	44	36	14	48	55
<entity>	977	831	646	0	51	134	280	0	42	29	16	7	66	78
name	873	737	459	30	111	137	273	17	53	31	18	21	54	64
aliases	359	347	231	5	8	103	115	321	49	32	30	4	65	67
location	323	95	47	10	10	28	256	444	85	79	29	22	16	55
nationality	265	158	82	0	3	73	180	437	76	68	46	4	31	52
type	977	831	605	0	92	134	280	0	46	29	16	13	62	73
entity-rel	1156	940	579	0	133	228	444	0	58	38	24	19	50	62
person	118	16	10	0	1	5	107	567	92	91	31	9	8	62
facility	83	20	3	0	2	15	78	598	97	94	75	40	4	15
subtotals	4154	3144	2016	45	360	723	1733	2384	58	42	23	16	49	65
<entity>relati	436	352	256	0	30	66	150	0	49	34	19	10	59	73
entity1	883	891	464	0	81	346	338	0	62	38	39	15	52	52
entity2	266	85	43	0	13	29	210	97	85	79	34	23	16	50
rel-ent2-to-e	436	352	178	0	108	66	150	0	64	34	19	38	41	50
status	431	352	195	0	90	67	146	0	61	34	19	32	45	55
subtotals	2016	1680	880	0	292	508	844	97	65	42	30	25	44	52
<activity>	386	213	135	0	17	61	234	0	70	61	29	11	35	63
industry	418	176	120	0	8	48	290	0	74	69	27	6	29	68
site	552	67	24	1	15	27	512	29	96	93	40	39	4	36
start	103	0	0	0	0	0	103	98	100	100	*	*	0	*
end	16	0	0	0	0	0	16	128	100	100	*	*	0	*
revenue	23	0	0	0	0	0	23	131	100	100	*	*	0	*
subtotals	1112	243	144	1	23	75	944	386	88	85	31	14	13	59
<industry>	412	176	127	0	11	38	274	0	72	66	22	8	31	72
type	381	174	106	0	26	42	249	0	75	65	24	20	28	61
prod-serv	809	176	67	14	57	38	671	27	91	83	22	46	9	42
subtotals	1190	350	173	14	83	80	920	27	86	77	23	33	15	51
<facility>	164	36	25	0	6	5	133	0	85	81	14	19	15	69
name	36	1	0	0	1	0	35	24	100	97	0	100	0	0
location	142	11	5	1	4	1	132	3	96	93	9	45	4	50
type	163	36	25	0	6	5	132	0	85	81	14	19	15	69
subtotals	341	48	30	1	11	6	299	27	91	88	12	27	9	64
<person>	118	15	11	0	1	3	106	0	91	90	20	8	9	73
name	118	15	8	1	3	3	106	0	93	90	20	29	7	57
entity	118	16	10	0	2	4	106	0	92	90	25	17	8	62
position	136	15	5	0	7	3	124	0	96	91	20	58	4	33
subtotals	372	46	23	1	12	10	336	0	94	90	22	35	6	51
<ownership>	103	78	51	0	2	25	50	0	60	48	32	4	50	65
time	22	0	0	0	0	0	22	45	100	100	*	*	0	*
owned	103	42	11	0	14	17	78	0	91	76	40	56	11	26
capital	28	24	20	1	0	3	7	28	34	25	12	2	73	85
owner%	376	171	78	4	30	59	264	3	82	70	34	28	21	47
subtotals	529	237	109	5	44	79	371	76	82	70	33	29	21	47
<revenue>	23	0	0	0	0	0	23	0	100	100	*	*	0	*
type	23	0	0	0	0	0	23	0	100	100	*	*	0	*
total	15	0	0	0	0	0	15	0	100	100	*	*	0	*
total-eta	11	0	0	0	0	0	11	0	100	100	*	*	0	*
rate	8	0	0	0	0	0	8	0	100	100	*	*	0	*
rate-eta	0	0	0	0	0	0	0	0	*	*	*	*	0	*
subtotals	57	0	0	0	0	0	57	0	100	100	*	*	0	*
<time>	149	0	0	0	0	0	149	0	100	100	*	*	0	*
after	16	0	0	0	0	0	16	0	100	100	*	*	0	*
before	27	0	0	0	0	0	27	0	100	100	*	*	0	*
during	91	0	0	0	0	0	91	0	100	100	*	*	0	*
on	19	0	0	0	0	0	19	0	100	100	*	*	0	*
subtotals	153	0	0	0	0	0	153	0	100	100	*	*	0	*

ALL-OBJECTS	12080	7666	4503	67	99	2124	6538	3266	68	54	28	18	38	59	
MATCHED-ONLY	6940	6037	4503	67	99	803	1706	3266	41	24	13	13	65	75	
TEXT-FILTERING	251	262	237	-	-	25	14	6	-	6	10	-	94	90	
RICHNESS-NORMALIZED-ERROR				Wrong 9667.5		Req-fills 11803		All-fills 12128		Min-err 0.7971		Max-err 0.8191			
ERROR-RATE-PER-WORD				Wrong 9667.5		Word-count 92862		Error-rate 0.1041							
F-MEASURES				P&R 45.95		2P&R 53.07		P&2R 40.51							

2. Core-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE	
<template>	282	282	282	0	0	0	0	0	0	0	0	0	100	100	
content	348	331	253	0	10	68	85	6	39	24	20	4	73	76	
subtotals	348	331	253	0	10	68	85	6	39	24	20	4	73	76	
<ie-up-relati	348	330	253	0	10	67	85	0	39	24	20	4	73	77	
status	348	330	210	0	53	67	85	0	49	24	20	20	60	64	
entity	791	861	468	0	56	337	267	0	58	34	39	11	59	54	
joint-venture	179	71	35	0	10	26	134	96	83	75	37	22	20	49	
subtotals	1318	1262	713	0	119	430	486	96	59	37	34	14	54	56	
<entity>	977	831	645	0	52	134	280	0	42	29	16	7	66	78	
name	873	737	459	30	111	137	273	17	53	31	18	21	54	64	
aliases	359	347	230	4	9	104	116	319	50	32	30	4	65	67	
location	323	95	47	10	10	28	256	445	85	79	29	22	16	55	
nationality	265	158	82	0	4	72	179	436	76	68	46	5	31	52	
type	977	831	604	0	93	134	280	0	46	29	16	13	62	73	
entity-rel	1156	940	578	0	134	228	444	0	58	38	24	19	50	61	
subtotals	3953	3108	2000	44	361	703	1548	1217	56	39	23	16	51	65	
<entity-relati	436	352	256	0	30	66	150	0	49	34	19	10	59	73	
entity1	883	891	463	0	82	346	338	0	62	38	39	15	52	52	
entity2	266	85	43	0	13	29	210	97	85	79	34	23	16	50	
rel-ent2-to-e	436	352	178	0	108	66	150	0	64	34	19	38	41	50	
status	431	352	195	0	90	67	146	0	61	34	19	32	45	55	
subtotals	2016	1680	879	0	293	508	844	97	65	42	30	25	44	52	
ALL-OBJECTS	7635	6381	3845	44	94	1709	2963	1416	59	39	27	17	51	61	
MATCHED-ONLY	5269	5078	3845	44	94	668	859	1416	35	16	13	12	73	76	
TEXT-FILTERING	251	262	237	-	-	25	14	6	-	6	10	-	94	90	
ERROR-RATE-PER-WORD				Wrong 5477		Word-count 92862		Error-rate 0.059							
F-MEASURES				P&R 55.18		2P&R 58.31		P&2R 52.37							

EJV Summary Scores
GE/CMU Shogun System

1. Full-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	282	282	282	0	0	0	0	0	0	0	0	0	100	100
doc-nr	282	282	282	0	0	0	0	0	0	0	0	0	100	100
doc-date	275	275	275	0	0	0	0	7	0	0	0	0	100	100
doc-source	276	282	276	0	0	6	0	0	2	0	2	0	100	98
content	348	389	289	0	6	94	53	11	35	15	24	2	83	74
subtotals	348	389	289	0	6	94	53	11	35	15	24	2	83	74
<tie-up-relati	348	389	289	0	6	94	53	0	35	15	24	2	83	74
status	348	389	231	0	64	94	53	0	48	15	24	22	66	59
entity	791	934	535	0	94	305	162	0	51	20	33	15	68	57
joint-venture	180	212	101	0	23	88	56	96	62	31	42	18	56	48
ownership	103	122	64	0	4	54	35	180	59	34	44	6	62	52
activity	387	367	214	0	44	109	129	10	57	33	30	17	55	58
subtotals	1809	2024	1145	0	229	650	435	286	53	24	32	17	63	56
<entity>	976	1057	749	0	61	247	166	0	39	17	23	8	77	71
name	872	937	554	44	115	224	159	27	47	18	24	19	66	61
aliases	359	389	232	6	5	146	116	399	53	32	38	3	65	60
location	322	338	140	19	23	156	140	443	69	43	46	18	46	44
nationality	265	212	100	0	11	101	154	509	73	58	48	10	38	47
type	976	1057	716	0	94	247	166	0	41	17	23	12	73	68
entity-rel	1153	1242	747	0	117	378	289	0	51	25	30	14	65	60
person	118	170	58	0	0	112	60	637	75	51	66	0	49	34
facility	84	192	37	0	10	145	37	650	84	44	76	21	44	19
subtotals	4149	4537	2584	69	375	1509	1121	2665	54	27	33	14	63	58
<entity-relati	437	436	311	0	24	101	102	0	42	23	23	7	71	71
entity1	885	982	568	0	97	317	220	0	53	25	32	14	64	58
entity2	268	260	128	0	32	100	108	93	65	40	38	20	48	49
rel-ent2-to-e	437	436	239	0	96	101	102	0	56	23	23	29	55	55
status	432	436	239	0	94	103	99	0	55	23	24	28	55	55
subtotals	2022	2114	1174	0	319	621	529	93	56	26	29	21	58	56
<activity>	387	366	262	0	20	84	105	0	44	27	23	7	68	72
industry	420	424	228	0	35	161	157	5	61	37	38	13	54	54
site	552	826	217	3	71	535	261	83	80	47	65	25	40	26
start	104	143	27	0	22	94	55	126	86	53	66	45	26	19
end	16	3	1	0	0	2	15	251	94	94	67	0	6	33
revenue	23	44	9	0	3	32	11	235	84	48	73	25	39	20
subtotals	1115	1440	482	3	131	824	499	700	75	45	57	22	43	34
<industry>	415	425	271	0	22	132	122	0	50	29	31	8	65	64
type	384	425	227	0	42	156	115	0	58	30	37	16	59	53
prod-serv	847	1193	287	54	220	632	286	1	79	34	53	44	37	26
subtotals	1231	1618	514	54	262	788	401	1	73	32	49	35	44	33
<facility>	164	280	104	0	19	157	41	0	68	25	56	15	63	37
name	36	0	0	0	0	0	36	91	100	100	*	*	0	*
location	142	180	41	10	28	101	63	8	81	44	56	42	32	26
type	163	280	91	0	30	159	42	0	72	26	57	25	56	32
subtotals	341	460	132	10	58	260	141	99	77	41	56	32	40	30
<person>	118	162	71	0	5	86	42	0	65	36	53	6	60	44
name	118	162	64	1	11	86	42	0	68	36	53	15	55	40
entity	118	162	54	0	22	86	42	0	74	36	53	29	46	33
position	136	162	42	0	33	87	61	0	81	45	54	44	31	26
subtotals	372	486	160	1	66	259	145	0	74	39	53	29	43	33
<ownership>	103	122	76	0	2	44	25	0	48	24	36	2	74	62
time	21	2	0	0	1	1	20	65	100	95	50	100	0	0
owned	103	123	38	0	39	46	26	0	74	25	37	51	37	31
capital	28	40	18	2	2	18	6	45	59	21	45	14	68	48
owner%	376	450	199	9	54	184	114	5	64	30	41	22	54	45
subtotals	528	615	255	11	96	249	166	115	66	31	40	28	49	42
<revenue>	23	37	10	0	4	23	9	0	78	39	62	28	43	27
type	23	37	9	0	5	23	9	0	80	39	62	36	39	24
total	15	30	5	1	2	22	7	4	85	47	73	31	37	18
total-eta	11	14	4	0	1	9	6	6	80	54	64	20	36	28
rate	8	7	4	0	1	2	3	6	60	38	28	20	50	57
rate-eta	0	0	0	0	0	0	0	10	*	*	*	*	*	*
subtotals	57	88	22	1	9	56	25	26	80	44	64	30	39	26
<time>	149	137	36	0	31	70	82	0	84	55	51	46	24	26
after	16	13	0	0	3	10	13	0	100	81	77	100	0	0
before	27	23	6	0	1	16	20	0	86	74	70	14	22	26
during	91	74	25	0	7	42	59	0	81	65	57	22	27	34
on	19	32	5	0	0	27	14	0	89	74	84	0	26	16
subtotals	153	142	36	0	11	95	106	0	85	69	67	23	24	25

ALL-OBJECTS	12125	13913	6793	149	124	5405	3621	3996	61	30	39	19	57	49
MATCHED-ONLY	9140	9729	6793	149	124	1624	1039	3996	36	11	17	15	75	70
TEXT-FILTERING	251	262	242	-	-	20	9	11	-	4	8	-	96	92
RICHNESS-NORMALIZED-ERROR				Wrong	Req-fills		All-fills		Min-err		Max-err			
				10662.5	11813		12138		0.8784		0.9026			
ERROR-RATE-PER-WORD				Wrong	Word-count		Error-rate							
				10662.5	92862		0.1148							
F-MEASURES				P&R	2P&R		P&2R							
				52.75	50.66		55.02							

2. Core-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	282	282	282	0	0	0	0	0	0	0	0	0	100	100
content	348	389	289	0	6	94	53	11	35	15	24	2	83	74
subtotals	348	389	289	0	6	94	53	11	35	15	24	2	83	74
<ie-up-relati	348	389	289	0	6	94	53	0	35	15	24	2	83	74
status	348	389	231	0	64	94	53	0	48	15	24	22	66	59
entity	791	934	535	0	94	305	162	0	51	20	33	15	68	57
joint-venture	180	212	101	0	23	88	56	96	62	31	42	18	56	48
subtotals	1319	1535	867	0	181	487	271	96	52	20	32	17	66	56
<entity>	976	1057	749	0	61	247	166	0	39	17	23	8	77	71
name	872	937	554	43	116	224	159	27	47	18	24	19	66	61
aliases	359	389	232	5	6	146	116	399	54	32	38	3	65	60
location	322	338	140	19	23	156	140	443	69	43	46	18	46	44
nationality	265	212	100	0	11	101	154	509	73	58	48	10	38	47
type	976	1057	716	0	94	247	166	0	41	17	23	12	73	68
entity-rel	1153	1242	747	0	117	378	289	0	51	25	30	14	65	60
subtotals	3947	4175	2489	67	367	1252	1024	1378	51	26	30	14	64	60
<entity-relati	437	436	311	0	24	101	102	0	42	23	23	7	71	71
entity1	885	982	568	0	97	317	220	0	53	25	32	14	64	58
entity2	268	260	128	0	32	100	108	93	65	40	38	20	48	49
rel-ent2-to-e	437	436	239	0	96	101	102	0	56	23	23	29	55	55
status	432	436	239	0	94	103	99	0	55	23	24	28	55	55
subtotals	2022	2114	1174	0	319	621	529	93	56	26	29	21	58	56
ALL-OBJECTS	7636	8213	4819	67	96	2454	1877	1578	52	24	30	16	64	59
MATCHED-ONLY	6041	6122	4819	67	96	627	546	1578	27	9	10	12	80	79
TEXT-FILTERING	251	262	242	-	-	20	9	11	-	4	8	-	96	92
ERROR-RATE-PER-WORD				Wrong	Word-count		Error-rate							
				5237.5	92862		0.0564							
F-MEASURES				P&R	2P&R		P&2R							
				61.23	59.93		62.6							

**EJV Summary Scores
MITRE Alembic System**

1. Full-Template Test

SLOT	PCS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	282	282	282	0	0	0	0	0	0	0	0	0	100	100
doc-nr	282	282	282	0	0	0	0	0	0	0	0	0	100	100
doc-date	275	274	274	0	0	0	1	7	0	0	0	0	100	100
doc-source	276	282	276	0	0	6	0	0	2	0	2	0	100	98
content	348	327	151	0	104	72	93	12	64	27	22	41	43	46
subtotals	348	327	151	0	104	72	93	12	64	27	22	41	43	46
<tie-up-relati	348	326	151	0	103	72	94	0	64	27	22	40	43	46
status	348	326	123	0	131	72	94	0	71	27	22	52	35	38
entity	791	275	188	0	42	45	561	0	78	71	16	18	24	68
joint-venture	179	10	9	0	0	1	170	71	95	95	10	0	5	90
ownership	103	1	1	0	0	0	102	115	99	99	0	0	1	100
activity	386	64	37	0	11	16	338	9	91	88	25	23	10	58
subtotals	1807	676	358	0	184	134	1265	195	82	70	20	34	20	53
<entity>	976	281	229	0	30	22	717	0	77	73	8	12	23	81
name	873	269	96	35	107	31	635	0	87	73	12	52	13	42
aliases	359	43	32	0	1	10	326	149	91	91	23	3	9	74
location	323	25	18	0	4	3	301	162	94	93	12	18	6	72
nationality	265	38	24	0	5	9	236	160	91	89	24	17	9	63
type	976	281	217	0	42	22	717	0	78	73	8	16	22	77
entity-rel	1152	293	223	0	42	28	887	0	81	77	10	16	19	76
person	118	1	1	0	0	0	117	212	99	99	0	0	1	100
facility	81	0	0	0	0	0	81	215	100	100	*	*	0	*
subtotals	4147	950	611	35	201	103	3300	898	85	80	11	26	15	66
<entity-relati	437	186	135	0	32	19	270	0	70	62	10	19	31	72
entity1	885	284	193	0	54	37	638	0	79	72	13	22	22	68
entity2	267	14	11	0	1	2	255	59	96	96	14	8	4	78
rel-ent2-to-e	437	186	70	0	97	19	270	0	85	62	10	58	16	38
status	432	186	106	0	58	22	268	0	77	62	12	35	24	57
subtotals	2021	670	380	0	210	80	1431	59	82	71	12	36	19	57
<activity>	386	64	42	0	11	11	333	0	89	86	17	21	11	66
industry	419	41	35	0	1	5	383	1	92	91	12	3	8	85
site	551	46	13	2	13	18	523	18	98	95	39	50	2	30
start	103	0	0	0	0	0	103	32	100	100	*	*	0	*
end	16	0	0	0	0	0	16	42	100	100	*	*	0	*
revenue	23	0	0	0	0	0	23	39	100	100	*	*	0	*
subtotals	1112	87	48	2	14	23	1048	132	96	94	26	23	4	56
<industry>	412	41	35	0	1	5	376	0	92	91	12	3	8	85
type	379	41	34	0	2	5	343	0	91	90	12	6	9	83
prod-serv	799	73	32	2	24	15	741	1	96	93	20	43	4	45
subtotals	1178	114	66	2	26	20	1084	1	94	92	18	29	6	59
<facility>	164	1	1	0	0	0	163	0	99	99	0	0	1	100
name	35	0	0	0	0	0	35	1	100	100	*	*	0	*
location	142	0	0	0	0	0	142	0	100	100	*	*	0	*
type	163	1	1	0	0	0	162	0	99	99	0	0	1	100
subtotals	340	1	1	0	0	0	339	1	100	100	0	0	0	100
<person>	118	1	1	0	0	0	117	0	99	99	0	0	1	100
name	118	1	0	0	1	0	117	0	100	99	0	100	0	0
entity	118	1	1	0	0	0	117	0	99	99	0	0	1	100
position	136	1	0	0	1	0	135	0	100	99	0	100	0	0
subtotals	372	3	1	0	2	0	369	0	100	99	0	67	0	33
<ownership>	102	1	1	0	0	0	101	0	99	99	0	0	1	100
time	21	0	0	0	0	0	21	1	100	100	*	*	0	*
owned	102	0	0	0	0	0	102	0	100	100	*	*	0	*
capital	27	0	0	0	0	0	27	1	100	100	*	*	0	*
owner%	376	4	4	0	0	0	372	0	99	99	0	0	1	100
subtotals	526	4	4	0	0	0	522	2	99	99	0	0	1	100
<revenue>	23	0	0	0	0	0	23	0	100	100	*	*	0	*
type	23	0	0	0	0	0	23	0	100	100	*	*	0	*
total	15	0	0	0	0	0	15	0	100	100	*	*	0	*
total-eta	11	0	0	0	0	0	11	0	100	100	*	*	0	*
rate	8	0	0	0	0	0	8	0	100	100	*	*	0	*
rate-eta	0	0	0	0	0	0	0	0	*	*	*	*	*	*
subtotals	57	0	0	0	0	0	57	0	100	100	*	*	0	*
<time>	149	0	0	0	0	0	149	0	100	100	*	*	0	*
after	16	0	0	0	0	0	16	0	100	100	*	*	0	*
before	27	0	0	0	0	0	27	0	100	100	*	*	0	*
during	91	0	0	0	0	0	91	0	100	100	*	*	0	*
on	19	0	0	0	0	0	19	0	100	100	*	*	0	*
subtotals	153	0	0	0	0	0	153	0	100	100	*	*	0	*

ALL-OBJECTS	12061	2832	1620	39	100	432	9661	1300	87	80	15	32	14	58
MATCHED-ONLY	2967	2216	1620	39	100	144	895	1300	47	30	6	21	55	74
TEXT-FILTERING	251	239	220	-	-	19	31	12	-	12	8	-	88	92
RICHNESS-NORMALIZED-ERROR				Wrong	Req-fills		All-fills		Min-err		Max-err			
ERROR-RATE-PER-WORD				10853.5	11802		12127		0.895		0.9196			
F-MEASURES				Wrong	Word-count		Error-rate							
				10853.5	92862		0.1169							
				P&R	2P&R		P&2R							
				22.02	35.05		16.05							

2. Core-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	282	282	282	0	0	0	0	0	0	0	0	0	100	100
content	348	327	151	0	104	72	93	12	64	27	22	41	43	46
subtotals	348	327	151	0	104	72	93	12	64	27	22	41	43	46
<tie-up-relati	348	326	151	0	103	72	94	0	64	27	22	40	43	46
status	348	326	123	0	131	72	94	0	71	27	22	52	35	38
entity	791	275	188	0	42	45	561	0	78	71	16	18	24	68
joint-venture	179	10	9	0	0	1	170	71	95	95	10	0	5	90
subtotals	1318	611	320	0	173	118	825	71	78	62	19	35	24	52
<entity>	976	281	229	0	30	22	717	0	77	73	8	12	23	81
name	873	269	96	35	107	31	635	0	87	73	12	52	13	42
aliases	359	43	32	0	1	10	326	149	91	91	23	3	9	74
location	323	25	18	0	4	3	301	162	94	93	12	18	6	72
nationality	265	38	24	0	5	9	236	160	91	89	24	17	9	63
type	976	281	217	0	42	22	717	0	78	73	8	16	22	77
entity-rel	1152	293	223	0	42	28	887	0	81	77	10	16	19	76
subtotals	3948	949	610	35	201	103	3102	471	84	78	11	26	16	66
<entity-relati	437	186	135	0	32	19	270	0	70	62	10	19	31	72
entity1	885	284	193	0	54	37	638	0	79	72	13	22	22	68
entity2	267	14	11	0	1	2	255	59	96	96	14	8	4	78
rel-ent2-to-e	437	186	70	0	97	19	270	0	85	62	10	58	16	38
status	432	186	106	0	58	22	268	0	77	62	12	35	24	57
subtotals	2021	670	380	0	210	80	1431	59	82	71	12	36	19	57
ALL-OBJECTS	7635	2557	1461	35	95	373	5451	613	82	71	14	32	19	58
MATCHED-ONLY	2482	2010	1461	35	95	135	607	613	44	24	7	21	60	74
TEXT-FILTERING	251	239	220	-	-	19	31	12	-	12	8	-	88	92
ERROR-RATE-PER-WORD				Wrong	Word-count		Error-rate							
				6529.5	92862		0.0703							
F-MEASURES				P&R	2P&R		P&2R							
				29.01	41.38		22.34							

EJV Summary Scores
NMSU/Brandeis Diderot System

1. Full-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	282	282	282	0	0	0	0	0	0	0	0	0	100	100
doc-nr	282	282	282	0	0	0	0	0	0	0	0	0	100	100
doc-date	275	205	204	0	1	0	70	7	26	25	0	0	74	100
doc-source	276	282	276	0	0	6	0	0	2	0	2	0	100	98
content	348	275	189	0	30	56	129	15	53	37	20	14	54	69
subtotals	348	275	189	0	30	56	129	15	53	37	20	14	54	69
<tie-up-relati	348	275	189	0	30	56	129	0	53	37	20	14	54	69
status	348	275	156	0	63	56	129	0	61	37	20	29	45	57
entity	791	419	252	0	80	87	459	0	71	58	21	24	32	60
joint-venture	179	59	20	0	13	26	146	74	90	82	44	39	11	34
ownership	103	27	15	0	5	7	83	123	86	80	26	25	14	56
activity	387	136	75	0	33	28	279	6	82	72	20	30	19	55
subtotals	1808	916	518	0	194	204	1096	203	74	61	22	27	29	56
<entity>	975	490	381	0	50	59	544	0	63	56	12	12	39	78
name	873	452	258	34	95	65	486	7	71	56	14	29	32	61
aliases	359	216	136	2	6	72	215	165	68	60	33	5	38	63
location	323	179	27	11	23	118	262	181	93	81	66	47	10	18
nationality	265	143	53	0	12	78	200	225	84	75	54	18	20	37
type	975	490	375	0	56	59	544	0	64	56	12	13	38	76
entity-rel	1153	619	354	0	97	168	702	0	73	61	27	22	31	57
person	118	63	23	0	1	39	94	314	85	80	62	4	19	36
facility	81	16	2	0	1	13	78	354	98	96	81	33	2	12
subtotals	4147	2178	1228	47	291	612	2581	1246	74	62	28	20	30	57
<entity-relati	437	350	201	0	51	98	185	0	62	42	28	20	46	57
entity1	885	567	291	0	90	186	504	0	73	57	33	24	33	51
entity2	267	58	21	0	17	20	229	74	93	86	34	45	8	36
rel-ent2-to-e	437	350	114	0	138	98	185	0	79	42	28	55	26	32
status	432	350	153	0	96	101	183	0	71	42	29	38	35	44
subtotals	2021	1325	579	0	341	405	1101	74	76	54	30	37	29	44
<activity>	387	135	87	0	28	20	272	0	79	70	15	24	22	64
industry	420	200	88	0	34	78	298	0	82	71	39	28	21	44
site	552	70	17	1	27	25	507	18	97	92	36	61	3	25
start	104	10	1	0	1	8	102	57	99	98	80	50	1	10
end	16	0	0	0	0	0	16	84	100	100	*	*	0	*
revenue	23	0	0	0	0	0	23	86	100	100	*	*	0	*
subtotals	1115	280	106	1	62	111	946	245	91	85	40	37	10	38
<industry>	413	201	113	0	35	53	265	0	76	64	26	24	27	56
type	382	201	104	0	34	63	244	0	77	64	31	25	27	52
prod-serv	818	216	52	8	88	68	670	0	94	82	31	62	7	26
subtotals	1200	417	156	8	122	131	914	0	88	76	31	44	13	38
<facility>	164	29	15	0	5	9	144	0	91	88	31	25	9	52
name	35	0	0	0	0	0	35	12	100	100	*	*	0	*
location	142	8	1	0	2	5	139	3	99	98	62	67	1	12
type	163	29	15	0	5	9	143	0	91	88	31	25	9	52
subtotals	340	37	16	0	7	14	317	15	95	93	38	30	5	43
<person>	118	59	25	0	2	32	91	0	83	77	54	7	21	42
name	118	24	9	1	3	11	105	0	93	89	46	27	8	40
entity	118	59	23	0	4	32	91	0	85	77	54	15	19	39
position	136	53	11	0	17	25	108	0	93	79	47	61	8	21
subtotals	372	136	43	1	24	68	304	0	90	82	50	36	12	32
<ownership>	103	27	20	0	5	2	78	0	81	76	7	20	19	74
time	22	0	0	0	0	0	22	18	100	100	*	*	0	*
owned	103	22	7	0	14	1	82	0	93	80	4	67	7	32
capital	28	17	8	0	8	1	12	1	72	43	6	50	28	47
owner%	376	25	13	1	8	3	354	4	96	94	12	39	4	54
subtotals	529	64	28	1	30	5	470	23	95	89	8	52	5	44
<revenue>	23	0	0	0	0	0	23	0	100	100	*	*	0	*
type	23	0	0	0	0	0	23	0	100	100	*	*	0	*
total	15	0	0	0	0	0	15	0	100	100	*	*	0	*
total-eta	11	0	0	0	0	0	11	0	100	100	*	*	0	*
rate	8	0	0	0	0	0	8	0	100	100	*	*	0	*
rate-eta	0	0	0	0	0	0	0	0	*	*	*	*	0	*
subtotals	57	0	0	0	0	0	57	0	100	100	*	*	0	*
<time>	149	10	1	0	3	6	145	0	99	97	60	75	1	10
after	16	0	0	0	0	0	16	0	100	100	*	*	0	*
before	27	0	0	0	0	0	27	0	100	100	*	*	0	*
during	91	7	1	0	3	3	87	0	99	96	43	75	1	14
on	19	0	0	0	0	0	19	0	100	100	*	*	0	*
subtotals	153	7	1	0	3	3	149	0	99	97	43	75	1	14

ALL-OBJECTS	12090	5635	2864	58	81	1609	8064	1821	79	67	28	28	24	51
MATCHED-ONLY	4882	4059	2864	58	81	495	1318	1821	46	27	12	19	59	71
TEXT-FILTERING	251	208	192	-	-	16	59	15	-	24	8	-	76	92
RICHNESS-NORMALIZED-ERROR				Wrong 10806		Req-fills 11804		All-fills 12129		Min-err 0.8909		Max-err 0.9155		
ERROR-RATE-PER-WORD				Wrong 10806		Word-count 92862		Error-rate 0.1164						
F-MEASURES				P&R 32.64		2P&R 41.77		P&2R 26.79						

2. Core-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	282	282	282	0	0	0	0	0	0	0	0	0	100	100
content	348	275	189	0	30	56	129	15	53	37	20	14	54	69
subtotals	348	275	189	0	30	56	129	15	53	37	20	14	54	69
<tie-up-relati	348	275	189	0	30	56	129	0	53	37	20	14	54	69
status	348	275	156	0	63	56	129	0	61	37	20	29	45	57
entity	791	419	252	0	80	87	459	0	71	58	21	24	32	60
joint-venture	179	59	20	0	13	26	146	74	90	82	44	39	11	34
subtotals	1318	753	428	0	156	169	734	74	71	56	22	27	32	57
<entity>	975	490	381	0	50	59	544	0	63	56	12	12	39	78
name	873	452	258	34	95	65	486	7	71	56	14	29	32	61
aliases	359	216	136	2	6	72	215	165	68	60	33	5	38	63
location	323	179	27	11	23	118	262	181	93	81	66	47	10	18
nationality	265	143	53	0	12	78	200	225	84	75	54	18	20	37
type	975	490	375	0	56	59	544	0	64	56	12	13	38	76
entity-rel	1153	619	354	0	97	168	702	0	73	61	27	22	31	57
subtotals	3948	2099	1203	47	289	560	2409	578	73	61	27	20	31	58
<entity-relati	437	350	201	0	51	98	185	0	62	42	28	20	46	57
entity1	885	567	291	0	90	186	504	0	73	57	33	24	33	51
entity2	267	58	21	0	17	20	229	74	93	86	34	45	8	36
rel-ent2-to-e	437	350	114	0	138	98	185	0	79	42	28	55	26	32
status	432	350	153	0	96	101	183	0	71	42	29	38	35	44
subtotals	2021	1325	579	0	341	405	1101	74	76	54	30	37	29	44
ALL-OBJECTS	7635	4452	2399	47	75	1190	4373	741	72	57	27	26	32	54
MATCHED-ONLY	3647	3277	2399	47	75	384	754	741	40	21	12	16	66	74
TEXT-FILTERING	251	208	192	-	-	16	59	15	-	24	8	-	76	92
ERROR-RATE-PER-WORD				Wrong 6402.5		Word-count 92862		Error-rate 0.0689						
F-MEASURES				P&R 40.08		2P&R 47.61		P&2R 34.62						

**EJV Summary Scores
NYU Proteus System**

1. Full-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	282	281	281	0	0	0	1	0	0	0	0	0	100	100
doc-nr	282	281	281	0	0	0	1	0	0	0	0	0	100	100
doc-date	275	203	203	0	0	0	72	7	26	26	0	0	74	100
doc-source	276	281	275	0	0	6	1	0	2	0	2	0	100	98
content	348	380	198	0	52	130	98	18	58	28	34	21	57	52
subtotals	348	380	198	0	52	130	98	18	58	28	34	21	57	52
<tie-up-relati	348	378	198	0	51	129	99	0	58	28	34	20	57	52
status	348	378	165	0	84	129	99	0	65	28	34	34	47	44
entity	791	366	247	0	42	77	502	0	72	63	21	14	31	67
joint-venture	179	178	44	0	18	116	117	63	85	65	65	29	24	25
ownership	102	28	20	0	0	8	82	137	82	80	28	0	20	71
activity	387	72	53	0	7	12	327	14	87	84	17	12	14	74
subtotals	1807	1022	529	0	151	342	1127	214	75	62	33	22	29	52
<entity>	975	504	373	0	86	45	516	0	63	53	9	19	38	74
name	873	445	263	25	112	45	473	14	70	54	10	31	32	62
aliases	359	155	120	3	5	27	231	203	68	64	17	5	34	78
location	323	51	34	4	4	9	281	242	89	87	18	14	11	70
nationality	264	63	23	0	9	31	232	271	92	88	49	28	9	36
type	975	504	351	0	108	45	516	0	66	53	9	24	36	70
entity-rel	1152	453	320	0	81	52	751	0	73	65	11	20	28	71
person	118	6	3	0	0	3	115	329	98	97	50	0	2	50
facility	81	0	0	0	0	0	81	355	100	100	*	*	0	*
subtotals	4145	1677	1114	32	319	212	2680	1414	74	65	13	23	27	67
<entity-relati	437	280	193	0	36	51	208	0	60	48	18	16	44	69
entity1	885	381	270	0	50	61	565	0	71	64	16	16	30	71
entity2	267	74	34	0	12	28	221	64	88	83	38	26	13	46
rel-ent2-to-e	437	280	107	0	122	51	208	0	78	48	18	53	24	38
status	432	280	149	0	77	54	206	0	69	48	19	34	34	53
subtotals	2021	1015	560	0	261	194	1200	64	75	59	19	32	28	55
<activity>	386	72	61	0	4	7	321	0	84	83	10	6	16	85
industry	418	72	54	0	11	7	353	0	87	84	10	17	13	75
site	551	48	22	1	8	17	520	17	96	94	35	27	4	47
start	103	0	0	0	0	0	103	44	100	100	*	*	0	*
end	16	0	0	0	0	0	16	57	100	100	*	*	0	*
revenue	23	0	0	0	0	0	23	59	100	100	*	*	0	*
subtotals	1111	120	76	1	19	24	1015	177	93	91	20	20	7	64
<industry>	411	72	58	0	9	5	344	0	86	84	7	13	14	80
type	379	53	44	0	1	8	334	1	89	88	15	2	12	83
prod-serv	808	154	59	8	57	30	684	1	92	85	19	49	8	41
subtotals	1187	207	103	8	58	38	1018	2	91	86	18	37	9	52
<facility>	164	0	0	0	0	0	164	0	100	100	*	*	0	*
name	35	0	0	0	0	0	35	0	100	100	*	*	0	*
location	142	0	0	0	0	0	142	0	100	100	*	*	0	*
type	163	0	0	0	0	0	163	0	100	100	*	*	0	*
subtotals	340	0	0	0	0	0	340	0	100	100	*	*	0	*
<person>	118	6	4	0	1	1	113	0	97	96	17	20	3	67
name	118	6	4	0	1	1	113	0	97	96	17	20	3	67
entity	118	6	3	0	2	1	113	0	97	96	17	40	2	50
position	136	6	3	0	2	1	131	0	98	96	17	40	2	50
subtotals	372	18	10	0	5	3	357	0	97	96	17	33	3	56
<ownership>	102	28	24	0	0	4	78	0	77	76	14	0	24	86
time	21	0	0	0	0	0	21	20	100	100	*	*	0	*
owned	102	15	6	0	6	3	90	0	94	88	20	50	6	40
capital	27	0	0	0	0	0	27	19	100	100	*	*	0	*
owner%	376	70	47	0	15	8	314	0	88	84	11	24	12	67
subtotals	526	85	53	0	21	11	452	39	90	86	13	28	10	62
<revenue>	23	0	0	0	0	0	23	0	100	100	*	*	0	*
type	23	0	0	0	0	0	23	0	100	100	*	*	0	*
total	15	0	0	0	0	0	15	0	100	100	*	*	0	*
total-eta	11	0	0	0	0	0	11	0	100	100	*	*	0	*
rate	8	0	0	0	0	0	8	0	100	100	*	*	0	*
rate-eta	0	0	0	0	0	0	0	0	*	*	*	*	*	*
subtotals	57	0	0	0	0	0	57	0	100	100	*	*	0	*
<time>	149	0	0	0	0	0	149	0	100	100	*	*	0	*
after	16	0	0	0	0	0	16	0	100	100	*	*	0	*
before	27	0	0	0	0	0	27	0	100	100	*	*	0	*
during	91	0	0	0	0	0	91	0	100	100	*	*	0	*
on	19	0	0	0	0	0	19	0	100	100	*	*	0	*
subtotals	153	0	0	0	0	0	153	0	100	100	*	*	0	*

ALL-OBJECTS	12067	4524	2643	41	57	954	8497	1928	80	70	21	25	22	59
MATCHED-ONLY	4534	3393	2643	41	57	258	1399	1928	44	31	8	15	59	78
TEXT-FILTERING	251	217	204	-	-	13	47	18	-	19	6	-	81	94
RICHNESS-NORMALIZED-ERROR				Wrong	Req-fills		All-fills		Min-err		Max-err			
ERROR-RATE-PER-WORD				10357.5	11797		12122		0.8544		0.878			
F-MEASURES				Wrong	Word-count		Error-rate							
				10357.5	92862		0.1115							
				P&R	2P&R		P&2R							
				32.11	44.15		25.23							

2. Core-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	282	281	281	0	0	0	1	0	0	0	0	0	100	100
content	348	380	198	0	52	130	98	18	58	28	34	21	57	52
subtotals	348	380	198	0	52	130	98	18	58	28	34	21	57	52
<tie-up-relati	348	378	198	0	51	129	99	0	58	28	34	20	57	52
status	348	378	165	0	84	129	99	0	65	28	34	34	47	44
entity	791	366	247	0	42	77	502	0	72	63	21	14	31	67
joint-venture	179	178	44	0	18	116	117	63	85	65	65	29	24	25
subtotals	1318	922	456	0	144	322	718	63	72	54	35	24	34	49
<entity>	975	504	373	0	86	45	516	0	63	53	9	19	38	74
name	873	445	258	21	121	45	473	14	71	54	10	33	31	60
aliases	359	155	117	2	9	27	231	203	69	64	17	8	33	76
location	323	51	34	4	4	9	281	242	89	87	18	14	11	70
nationality	264	63	23	0	9	31	232	271	92	88	49	28	9	36
type	975	504	351	0	108	45	516	0	66	53	9	24	36	70
entity-rel	1152	453	320	0	81	52	751	0	73	65	11	20	28	71
subtotals	3946	1671	1103	27	332	209	2484	730	73	63	12	24	28	67
<entity-relati	437	280	193	0	36	51	208	0	60	48	18	16	44	69
entity1	885	381	270	0	50	61	565	0	71	64	16	16	30	71
entity2	267	74	34	0	12	28	221	64	88	83	38	26	13	46
rel-ent2-to-e	437	280	107	0	122	51	208	0	78	48	18	53	24	38
status	432	280	149	0	77	54	206	0	69	48	19	34	34	53
subtotals	2021	1015	560	0	261	194	1200	64	75	59	19	32	28	55
ALL-OBJECTS	7633	3988	2317	27	68	855	4500	875	72	59	21	26	30	58
MATCHED-ONLY	3630	2949	2317	27	68	223	904	875	40	25	8	14	64	79
TEXT-FILTERING	251	217	204	-	-	13	47	18	-	19	6	-	81	94
ERROR-RATE-PER-WORD				Wrong	Word-count		Error-rate							
F-MEASURES				6157.5	92862		0.0663							
				P&R	2P&R		P&2R							
				40.11	49.41		33.76							

**EJV Summary Scores
PRC PAKTUS System**

1. Full-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	282	280	280	0	0	0	2	0	1	1	0	0	99	100
doc-nr	282	280	280	0	0	0	2	0	1	1	0	0	99	100
doc-date	275	203	202	0	1	0	72	7	26	26	0	0	73	100
doc-source	276	280	204	0	70	6	2	0	28	1	2	26	74	73
content	348	237	166	0	16	55	166	14	59	48	23	9	48	70
subtotals	348	237	166	0	16	55	166	14	59	48	23	9	48	70
<tie-up-relati	348	236	166	0	15	55	167	0	59	48	23	8	48	70
status	348	228	132	0	43	53	173	0	67	50	23	24	38	58
entity	791	487	254	0	86	147	451	0	73	57	30	25	32	52
joint-venture	179	158	29	0	47	82	103	25	89	58	52	62	16	18
ownership	102	15	9	0	1	5	92	112	92	90	33	10	9	60
activity	386	104	52	0	14	38	320	8	88	83	36	21	13	50
subtotals	1806	992	476	0	191	325	1139	145	78	63	33	29	26	48
<entity>	975	647	404	0	105	138	466	0	64	48	21	21	41	62
name	873	513	175	68	157	113	473	8	79	54	22	48	24	41
aliases	359	62	5	5	11	41	338	213	98	94	66	64	2	12
location	323	77	26	7	15	29	275	269	92	85	38	38	9	38
nationality	264	55	29	0	3	23	232	287	90	88	42	9	11	53
type	975	592	372	0	103	117	500	0	66	51	20	22	38	63
entity-rel	1153	592	343	0	94	155	716	0	74	62	26	22	30	58
person	118	1	0	0	0	1	118	370	100	100	100	*	0	0
facility	81	0	0	0	0	0	81	374	100	100	*	*	0	*
subtotals	4146	1892	950	80	383	479	2733	1521	78	66	25	30	24	52
<entity-relati	436	263	152	0	42	69	242	0	70	56	26	22	35	58
entity1	883	447	243	0	74	130	566	0	76	64	29	23	28	54
entity2	266	140	33	0	44	63	189	32	90	71	45	57	12	24
rel-ent2-to-e	436	263	86	0	108	69	242	0	83	56	26	56	20	33
status	430	118	53	0	35	30	342	0	88	80	25	40	12	45
subtotals	2015	968	415	0	261	292	1339	32	82	66	30	39	20	43
<activity>	386	103	65	0	10	28	311	0	84	80	27	13	17	63
industry	419	131	64	0	12	55	343	0	86	82	42	16	15	49
site	551	9	5	0	2	2	544	14	99	99	22	28	1	56
start	103	1	1	0	0	0	102	50	99	99	0	0	1	100
end	16	0	0	0	0	0	16	61	100	100	*	*	0	*
revenue	23	0	0	0	0	0	23	63	100	100	*	*	0	*
subtotals	1112	141	70	0	14	57	1028	188	94	92	40	17	6	50
<industry>	412	132	69	0	18	45	325	0	85	79	34	21	17	52
type	381	129	63	0	19	47	299	0	85	78	36	23	16	49
prod-serv	804	207	44	8	78	77	674	0	94	84	37	63	6	23
subtotals	1185	336	107	8	97	124	973	0	92	82	37	48	9	33
<facility>	164	4	4	0	0	0	160	0	98	98	0	0	2	100
name	35	0	0	0	0	0	35	4	100	100	*	*	0	*
location	142	3	0	3	0	0	139	0	99	98	0	50	1	50
type	163	4	4	0	0	0	159	0	98	98	0	0	2	100
subtotals	340	7	4	3	0	0	333	4	98	98	0	21	2	78
<person>	118	1	0	0	0	1	118	0	100	100	100	*	0	0
name	118	0	0	0	0	0	118	0	100	100	*	*	0	*
entity	118	1	0	0	0	1	118	0	100	100	100	*	0	0
position	136	1	0	0	0	1	136	0	100	100	100	*	0	0
subtotals	372	2	0	0	0	2	372	0	100	100	100	*	0	0
<ownership>	102	14	12	0	0	2	90	0	88	88	14	0	12	86
time	21	0	0	0	0	0	21	12	100	100	*	*	0	*
owned	102	14	2	0	10	2	90	0	98	88	14	83	2	14
capital	27	1	0	0	1	0	26	5	100	96	0	100	0	0
owner%	376	28	20	0	4	4	352	0	95	94	14	17	5	71
subtotals	526	43	22	0	15	6	489	17	96	93	14	40	4	51
<revenue>	23	0	0	0	0	0	23	0	100	100	*	*	0	*
type	23	0	0	0	0	0	23	0	100	100	*	*	0	*
total	15	0	0	0	0	0	15	0	100	100	*	*	0	*
total-eta	11	0	0	0	0	0	11	0	100	100	*	*	0	*
rate	8	0	0	0	0	0	8	0	100	100	*	*	0	*
rate-eta	0	0	0	0	0	0	0	0	*	*	*	*	*	*
subtotals	57	0	0	0	0	0	57	0	100	100	*	*	0	*
<time>	149	1	1	0	0	0	148	0	99	99	0	0	1	100
after	16	0	0	0	0	0	16	0	100	100	*	*	0	*
before	27	0	0	0	0	0	27	0	100	100	*	*	0	*
during	91	1	1	0	0	0	90	0	99	99	0	0	1	100
on	19	0	0	0	0	0	19	0	100	100	*	*	0	*
subtotals	153	1	1	0	0	0	152	0	99	99	0	0	1	100

ALL-OBJECTS	12060	4619	2211	91	125	1340	8781	1921	83	73	29	31	19	49
MATCHED-ONLY	4330	3151	2211	91	125	296	1475	1921	51	34	9	21	52	72
TEXT-FILTERING	251	185	168	-	-	17	83	14	-	33	9	-	67	91
RICHNESS-NORMALIZED-ERROR				Wrong 11143.5	Req-fills 11794		All-fills 12119		Min-err 0.9195		Max-err 0.9448			
ERROR-RATE-PER-WORD				Wrong 11143.5	Word-count 92862		Error-rate 0.12							
F-MEASURES				P&R 27.06	2P&R 36.95		P&2R 21.34							

2. Core-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	282	280	280	0	0	0	2	0	1	1	0	0	99	100
content	348	237	166	0	16	55	166	14	59	48	23	9	48	70
subtotals	348	237	166	0	16	55	166	14	59	48	23	9	48	70
<tie-up-relati	348	236	166	0	15	55	167	0	59	48	23	8	48	70
status	348	228	132	0	43	53	173	0	67	50	23	24	38	58
entity	791	487	254	0	86	147	451	0	73	57	30	25	32	52
joint-venture	179	158	29	0	47	82	103	25	89	58	52	62	16	18
subtotals	1318	873	415	0	176	282	727	25	74	55	32	30	31	48
<entity>	975	647	404	0	105	138	466	0	64	48	21	21	41	62
name	873	513	175	68	157	113	473	8	79	54	22	48	24	41
aliases	359	62	5	5	11	41	338	213	98	94	66	64	2	12
location	323	77	26	7	15	29	275	269	92	85	38	38	9	38
nationality	264	55	29	0	3	23	232	287	90	88	42	9	11	53
type	975	592	372	0	103	117	500	0	66	51	20	22	38	63
entity-rel	1153	592	343	0	94	155	716	0	74	62	26	22	30	58
subtotals	3947	1891	950	80	383	478	2534	777	78	64	25	30	25	52
<entity-relati	436	263	152	0	42	69	242	0	70	56	26	22	35	58
entity1	883	447	243	0	74	130	566	0	76	64	29	23	28	54
entity2	266	140	33	0	44	63	189	32	90	71	45	57	12	24
rel-ent2-to-e	436	263	86	0	108	69	242	0	83	56	26	56	20	33
status	430	118	53	0	35	30	342	0	88	80	25	40	12	45
subtotals	2015	968	415	0	261	292	1339	32	82	66	30	39	20	43
ALL-OBJECTS	7628	3969	1946	80	118	1107	4766	848	77	62	28	31	26	50
MATCHED-ONLY	3473	2745	1946	80	118	264	992	848	47	28	10	20	57	72
TEXT-FILTERING	251	185	168	-	-	17	83	14	-	33	9	-	67	91
ERROR-RATE-PER-WORD				Wrong 6749	Word-count 92862		Error-rate 0.0727							
F-MEASURES				P&R 34.25	2P&R 42.25		P&2R 28.8							

**EJV Summary Scores
SRA SOLOMON System**

1. Full-Template Test

SLOT	PCS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	282	277	277	0	0	0	5	0	2	2	0	0	98	100
doc-nr	282	277	277	0	0	0	5	0	2	2	0	0	98	100
doc-date	275	198	198	0	0	0	77	6	28	28	0	0	72	100
doc-source	276	272	272	0	0	0	4	5	1	1	0	0	98	100
content	347	317	197	0	23	97	127	16	56	36	30	10	57	62
subtotals	347	317	197	0	23	97	127	16	56	36	30	10	57	62
<tie-up-relati	347	318	199	0	22	97	126	0	55	36	30	10	57	62
status	347	318	161	0	60	97	126	0	64	36	30	27	46	51
entity	788	478	245	0	104	129	439	0	73	56	27	30	31	51
joint-venture	179	99	30	0	30	39	119	68	86	66	39	50	17	30
ownership	102	0	0	0	0	0	102	136	100	100	*	*	0	*
activity	386	291	128	0	65	98	193	1	74	50	34	34	33	44
subtotals	1802	1186	564	0	259	363	979	205	74	54	31	31	31	48
<entity>	975	544	371	0	84	89	520	0	65	53	16	18	38	68
name	873	407	180	33	114	80	546	18	79	62	20	40	22	48
aliases	359	158	81	5	15	57	258	180	80	72	36	17	23	53
location	323	76	22	8	9	37	284	231	93	88	49	33	8	34
nationality	265	132	57	0	5	70	203	239	83	77	53	8	22	43
type	975	544	354	0	101	89	520	0	67	53	16	22	36	65
entity-rel	1151	547	324	0	124	99	703	0	74	61	18	28	28	59
person	118	40	18	0	1	21	99	326	87	84	52	5	15	45
facility	81	1	0	0	0	1	81	355	100	100	100	*	0	0
subtotals	4145	1905	1036	46	369	454	2694	1349	77	65	24	27	26	56
<entity-relati	437	295	181	0	46	68	210	0	64	48	23	20	41	61
entity1	885	473	251	0	107	115	527	0	75	60	24	30	28	53
entity2	267	92	33	0	28	31	206	60	89	77	34	46	12	36
rel-ent2-to-e	437	295	106	0	121	68	210	0	79	48	23	53	24	36
status	432	295	134	0	91	70	207	0	73	48	24	40	31	45
subtotals	2021	1155	524	0	347	284	1150	60	77	57	24	40	26	45
<activity>	386	221	146	0	39	36	201	0	65	52	16	21	38	66
industry	419	221	129	0	51	41	239	0	72	57	18	28	31	58
site	551	151	47	0	40	64	464	34	92	84	42	46	8	31
start	103	0	0	0	0	0	103	107	100	100	*	*	0	*
end	16	0	0	0	0	0	16	136	100	100	*	*	0	*
revenue	23	0	0	0	0	0	23	138	100	100	*	*	0	*
subtotals	1112	372	176	0	91	105	845	415	86	76	28	34	16	47
<industry>	412	222	134	0	48	40	230	0	70	56	18	26	32	60
type	380	222	123	0	50	49	207	0	71	54	22	29	32	55
prod-serv	813	290	34	12	196	48	571	0	95	70	16	83	5	14
subtotals	1193	512	157	12	246	97	778	0	87	65	19	61	14	32
<facility>	164	5	1	0	3	1	160	0	99	98	20	75	1	20
name	35	3	0	0	1	2	34	0	100	97	67	100	0	0
location	142	1	1	0	0	0	141	0	99	99	0	0	1	100
type	163	5	0	0	4	1	159	0	100	98	20	100	0	0
subtotals	340	9	1	0	5	3	334	0	100	98	33	83	0	11
<person>	118	53	22	0	4	27	92	0	85	78	51	15	19	42
name	118	21	3	2	7	9	106	0	97	90	43	67	3	19
entity	118	32	14	0	1	17	103	0	90	87	53	7	12	44
position	136	53	13	0	13	27	110	0	92	81	51	50	10	24
subtotals	372	106	30	2	21	53	319	0	93	86	50	42	8	29
<ownership>	102	0	0	0	0	0	102	0	100	100	*	*	0	*
time	21	0	0	0	0	0	21	0	100	100	*	*	0	*
owned	102	0	0	0	0	0	102	0	100	100	*	*	0	*
capital	27	0	0	0	0	0	27	0	100	100	*	*	0	*
owner%	376	0	0	0	0	0	376	0	100	100	*	*	0	*
subtotals	526	0	0	0	0	0	526	0	100	100	*	*	0	*
<revenue>	23	0	0	0	0	0	23	0	100	100	*	*	0	*
type	23	0	0	0	0	0	23	0	100	100	*	*	0	*
total	15	0	0	0	0	0	15	0	100	100	*	*	0	*
total-eta	11	0	0	0	0	0	11	0	100	100	*	*	0	*
rate	8	0	0	0	0	0	8	0	100	100	*	*	0	*
rate-eta	0	0	0	0	0	0	0	0	*	*	*	*	*	*
subtotals	57	0	0	0	0	0	57	0	100	100	*	*	0	*
<time>	149	0	0	0	0	0	149	0	100	100	*	*	0	*
after	16	0	0	0	0	0	16	0	100	100	*	*	0	*
before	27	0	0	0	0	0	27	0	100	100	*	*	0	*
during	91	0	0	0	0	0	91	0	100	100	*	*	0	*
on	19	0	0	0	0	0	19	0	100	100	*	*	0	*
subtotals	153	0	0	0	0	0	153	0	100	100	*	*	0	*

ALL-OBJECTS	12068	5562	2685	60	107	1456	7962	2045	80	66	26	34	22	49
MATCHED-ONLY	4881	3825	2685	60	107	300	1356	2045	48	28	8	23	56	71
TEXT-FILTERING	251	201	187	-	-	14	64	17	-	25	7	-	74	93
RICHNESS-NORMALIZED-ERROR				Wrong 10809	Req-fills 11795		All-fills 12119		Min-err 0.8919		Max-err 0.9164			
ERROR-RATE-PER-WORD				Wrong 10809	Word-count 92862		Error-rate 0.1164							
F-MEASURES				P&R 30.8	2P&R 39.56		P&2R 25.22							

2. Core-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	282	277	277	0	0	0	5	0	2	2	0	0	98	100
content	347	317	197	0	23	97	127	16	56	36	30	10	57	62
subtotals	347	317	197	0	23	97	127	16	56	36	30	10	57	62
<tie-up-relati	347	318	199	0	22	97	126	0	55	36	30	10	57	62
status	347	318	161	0	60	97	126	0	64	36	30	27	46	51
entity	788	478	245	0	104	129	439	0	73	56	27	30	31	51
joint-venture	179	99	30	0	30	39	119	68	86	66	39	50	17	30
subtotals	1314	895	436	0	194	265	684	68	72	52	30	31	33	49
<entity>	975	544	371	0	84	89	520	0	65	53	16	18	38	68
name	873	407	180	34	113	80	546	18	79	62	20	40	22	48
aliases	359	158	81	5	15	57	258	180	80	72	36	17	23	53
location	323	76	22	8	9	37	284	231	93	88	49	33	8	34
nationality	265	132	57	0	5	70	203	239	83	77	53	8	22	43
type	975	544	354	0	101	89	520	0	67	53	16	22	36	65
entity-rel	1151	547	324	0	124	99	703	0	74	61	18	28	28	59
subtotals	3946	1864	1018	47	367	432	2514	668	76	64	23	27	26	56
<entity-relati	437	295	181	0	46	68	210	0	64	48	23	20	41	61
entity1	885	473	251	0	107	115	527	0	75	60	24	30	28	53
entity2	267	92	33	0	28	31	206	60	89	77	34	46	12	36
rel-ent2-to-e	437	295	106	0	121	68	210	0	79	48	23	53	24	36
status	432	295	134	0	91	70	207	0	73	48	24	40	31	45
subtotals	2021	1155	524	0	347	284	1150	60	77	57	24	40	26	45
ALL-OBJECTS	7628	4231	2175	47	96	1078	4475	812	75	59	25	30	29	52
MATCHED-ONLY	3555	2955	2175	47	96	227	827	812	42	23	8	19	62	74
TEXT-FILTERING	251	201	187	-	-	14	64	17	-	25	7	-	74	93
ERROR-RATE-PER-WORD				Wrong 6507.5	Word-count 92862		Error-rate 0.0701							
F-MEASURES				P&R 37.08	2P&R 44.77		P&2R 31.64							

**EJV Summary Scores
SRI FASTUS System**

1. Full-Template Test

SLOT	PCS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	282	281	281	0	0	0	1	0	0	0	0	0	100	100
doc-nr	282	281	281	0	0	0	1	0	0	0	0	0	100	100
doc-date	275	281	273	0	1	7	1	0	3	0	2	0	99	97
doc-source	276	0	0	0	0	0	276	6	100	100	*	*	0	*
content	348	319	223	0	32	64	93	6	46	27	20	12	64	70
subtotals	348	319	223	0	32	64	93	6	46	27	20	12	64	70
<tie-up-relati	348	318	223	0	31	64	94	0	46	27	20	12	64	70
status	348	318	192	0	62	64	94	0	53	27	20	24	55	60
entity	791	650	391	0	118	141	282	0	58	36	22	23	49	60
joint-venture	180	119	61	0	16	42	103	74	72	57	35	21	34	51
ownership	102	68	38	0	0	30	64	143	71	63	44	0	37	56
activity	387	304	134	0	32	138	221	9	74	57	45	19	35	44
subtotals	1808	1459	816	0	228	415	764	226	63	42	28	22	45	56
<entity>	976	807	538	0	108	161	330	0	53	34	20	17	55	67
name	872	518	352	35	58	73	427	23	61	49	14	17	42	71
aliases	359	246	173	4	7	62	175	277	58	49	25	5	49	71
location	323	87	33	5	9	40	276	348	90	85	46	24	11	41
nationality	265	53	27	1	2	23	235	383	90	89	43	8	10	52
type	976	807	523	0	123	161	330	0	54	34	20	19	54	65
entity-rel	1152	837	520	0	124	193	508	0	61	44	23	19	45	62
person	118	12	10	0	0	2	108	480	92	92	17	0	8	83
facility	81	0	0	0	0	0	81	511	100	100	*	*	0	*
subtotals	4146	2560	1638	45	323	554	2140	2022	65	52	22	17	40	65
<entity-relati	437	335	226	0	41	68	170	0	55	39	20	15	52	67
entity1	885	667	410	0	110	147	365	0	60	41	22	21	46	61
entity2	268	170	71	0	36	63	161	64	78	60	37	34	26	42
rel-ent2-to-e	437	335	151	0	116	68	170	0	70	39	20	43	34	45
status	432	335	176	0	88	71	168	0	65	39	21	33	41	52
subtotals	2022	1507	808	0	350	349	864	64	66	43	23	30	40	54
<activity>	386	303	162	0	39	102	185	0	67	48	34	19	42	53
industry	419	303	160	0	40	103	219	0	69	52	34	20	38	53
site	551	32	8	0	6	18	537	31	98	97	56	43	1	25
start	103	21	0	0	9	12	94	104	100	91	57	100	0	0
end	16	0	0	0	0	0	16	156	100	100	*	*	0	*
revenue	23	0	0	0	0	0	23	156	100	100	*	*	0	*
subtotals	1112	356	168	0	55	133	889	447	86	80	37	25	15	47
<industry>	413	302	173	0	36	93	204	0	66	49	31	17	42	57
type	383	302	153	0	47	102	183	0	68	48	34	24	40	51
prod-serv	826	493	153	27	137	176	509	13	83	62	36	47	20	34
subtotals	1209	795	306	27	184	278	692	13	78	57	35	38	26	40
<facility>	164	4	3	0	0	1	161	0	98	98	25	0	2	75
name	35	0	0	0	0	0	35	3	100	100	*	*	0	*
location	142	2	1	0	0	1	141	0	99	99	50	0	1	50
type	163	4	3	0	0	1	160	0	98	98	25	0	2	75
subtotals	340	6	4	0	0	2	336	3	99	99	33	0	1	67
<person>	118	12	10	0	0	2	108	0	92	92	17	0	8	83
name	118	12	6	4	0	2	108	0	93	92	17	20	7	67
entity	118	12	10	0	0	2	108	0	92	92	17	0	8	83
position	136	14	13	0	1	0	122	0	90	90	0	7	10	93
subtotals	372	38	29	4	1	4	338	0	92	91	10	9	8	82
<ownership>	102	68	41	0	0	27	61	0	68	60	40	0	40	60
time	21	0	0	0	0	0	21	35	100	100	*	*	0	*
owned	102	68	22	0	19	27	61	0	83	60	40	46	22	32
capital	27	16	13	0	2	1	12	22	54	44	6	13	48	81
owner%	376	218	83	1	27	107	265	2	83	70	49	25	22	38
subtotals	526	302	118	1	48	135	359	59	82	68	45	29	22	39
<revenue>	23	0	0	0	0	0	23	0	100	100	*	*	0	*
type	23	0	0	0	0	0	23	0	100	100	*	*	0	*
total	15	0	0	0	0	0	15	0	100	100	*	*	0	*
total-eta	11	0	0	0	0	0	11	0	100	100	*	*	0	*
rate	8	0	0	0	0	0	8	0	100	100	*	*	0	*
rate-eta	0	0	0	0	0	0	0	0	*	*	*	*	*	*
subtotals	57	0	0	0	0	0	57	0	100	100	*	*	0	*
<time>	149	15	1	0	8	6	140	0	99	94	40	89	1	7
after	16	0	0	0	0	0	16	0	100	100	*	*	0	*
before	27	1	0	0	0	1	27	0	100	100	100	*	0	0
during	91	11	0	0	4	7	87	0	100	96	64	100	0	0
on	19	2	1	0	0	1	18	0	95	95	50	0	5	50
subtotals	153	14	1	0	4	9	148	0	99	97	64	80	1	7

ALL-OBJECTS	12093	7356	4111	77	50	1943	6680	2840	70	55	26	23	34	56
MATCHED-ONLY	6345	5254	4111	77	50	425	1516	2840	39	24	8	14	65	79
TEXT-FILTERING	251	252	227	-	-	25	24	6	-	10	10	-	90	90
RICHNESS-NORMALIZED-ERROR				Wrong	Req-fills		All-fills		Min-err		Max-err			
				9886.5	11804		12129		0.8151		0.8376			
ERROR-RATE-PER-WORD				Wrong	Word-count		Error-rate							
				9886.5	92862		0.1065							
F-MEASURES				P&R	2P&R		P&2R							
				42.67	49.97		37.23							

2. Core-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	282	281	281	0	0	0	1	0	0	0	0	0	100	100
content	348	319	223	0	32	64	93	6	46	27	20	12	64	70
subtotals	348	319	223	0	32	64	93	6	46	27	20	12	64	70
<tie-up-relati	348	318	223	0	31	64	94	0	46	27	20	12	64	70
status	348	318	192	0	62	64	94	0	53	27	20	24	55	60
entity	791	650	391	0	118	141	282	0	58	36	22	23	49	60
joint-venture	180	119	61	0	16	42	103	74	72	57	35	21	34	51
subtotals	1319	1087	644	0	196	247	479	74	59	36	23	23	49	59
<entity>	976	807	538	0	108	161	330	0	53	34	20	17	55	67
name	872	518	352	35	58	73	427	23	61	49	14	17	42	71
aliases	359	246	173	4	7	62	175	277	58	49	25	5	49	71
location	323	87	33	5	9	40	276	348	90	85	46	24	11	41
nationality	265	53	27	1	2	23	235	383	90	89	43	8	10	52
type	976	807	523	0	123	161	330	0	54	34	20	19	54	65
entity-rel	1152	837	520	0	124	193	508	0	61	44	23	19	45	62
subtotals	3947	2548	1628	45	323	552	1951	1031	63	49	22	17	42	65
<entity-relati	437	335	226	0	41	68	170	0	55	39	20	15	52	67
entity1	885	667	410	0	110	147	365	0	60	41	22	21	46	61
entity2	268	170	71	0	36	63	161	64	78	60	37	34	26	42
rel-ent2-to-e	437	335	151	0	116	68	170	0	70	39	20	43	34	45
status	432	335	176	0	88	71	168	0	65	39	21	33	41	52
subtotals	2022	1507	808	0	350	349	864	64	66	43	23	30	40	54
ALL-OBJECTS	7636	5461	3303	45	43	1212	3387	1175	62	44	22	22	44	61
MATCHED-ONLY	4563	4053	3303	45	43	264	774	1175	31	17	6	12	73	82
TEXT-FILTERING	251	252	227	-	-	25	24	6	-	10	10	-	90	90
ERROR-RATE-PER-WORD				Wrong	Word-count		Error-rate							
				5522.5	92862		0.0595							
F-MEASURES				P&R	2P&R		P&2R							
				50.78	56.4		46.18							

**EJV Summary Scores
TRW DEFT System**

1. Full-Template Test

SLOT	PCS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	282	280	268	0	0	12	14	0	9	5	4	0	95	96
doc-nr	282	280	268	0	0	12	14	0	9	5	4	0	95	96
doc-date	275	200	192	0	0	8	83	7	32	30	4	0	70	96
doc-source	276	280	262	0	0	18	14	0	11	5	6	0	95	94
content	348	86	22	0	46	18	280	24	94	80	21	68	6	26
subtotals	348	86	22	0	46	18	280	24	94	80	21	68	6	26
<tie-up-relati	348	38	22	0	7	9	319	0	94	92	24	24	6	58
status	348	0	0	0	0	0	348	0	100	100	*	*	0	*
entity	791	53	24	0	12	17	755	0	97	95	32	33	3	45
joint-venture	179	53	2	0	13	38	164	0	99	92	72	87	1	4
ownership	102	0	0	0	0	0	102	16	100	100	*	*	0	*
activity	386	0	0	0	0	0	386	0	100	100	*	*	0	*
subtotals	1806	106	26	0	25	55	1755	16	99	97	52	49	1	24
<entity>	975	49	28	0	13	8	934	0	97	96	16	32	3	57
name	873	49	17	7	17	8	832	0	98	95	16	50	2	42
aliases	359	0	0	0	0	0	359	11	100	100	*	*	0	*
location	323	27	0	4	1	22	318	7	99	98	81	60	1	7
nationality	264	27	1	0	3	23	260	10	100	98	85	75	0	4
type	975	0	0	0	0	0	975	0	100	100	*	*	0	*
entity-rel	1151	0	0	0	0	0	1151	0	100	100	*	*	0	*
person	118	31	0	0	1	30	117	18	100	99	97	100	0	0
facility	81	0	0	0	0	0	81	26	100	100	*	*	0	*
subtotals	4144	134	18	11	22	83	4093	72	99	99	62	54	0	18
<entity-relati	437	0	0	0	0	0	437	0	100	100	*	*	0	*
entity1	885	0	0	0	0	0	885	0	100	100	*	*	0	*
entity2	267	0	0	0	0	0	267	0	100	100	*	*	0	*
rel-ent2-to-e	437	0	0	0	0	0	437	0	100	100	*	*	0	*
status	431	0	0	0	0	0	431	0	100	100	*	*	0	*
subtotals	2020	0	0	0	0	0	2020	0	100	100	*	*	0	*
<activity>	386	0	0	0	0	0	386	0	100	100	*	*	0	*
industry	418	0	0	0	0	0	418	0	100	100	*	*	0	*
site	551	0	0	0	0	0	551	0	100	100	*	*	0	*
start	103	0	0	0	0	0	103	0	100	100	*	*	0	*
end	16	0	0	0	0	0	16	0	100	100	*	*	0	*
revenue	23	0	0	0	0	0	23	0	100	100	*	*	0	*
subtotals	1111	0	0	0	0	0	1111	0	100	100	*	*	0	*
<industry>	411	0	0	0	0	0	411	0	100	100	*	*	0	*
type	378	0	0	0	0	0	378	0	100	100	*	*	0	*
prod-serv	793	0	0	0	0	0	793	0	100	100	*	*	0	*
subtotals	1171	0	0	0	0	0	1171	0	100	100	*	*	0	*
<facility>	164	0	0	0	0	0	164	0	100	100	*	*	0	*
name	35	0	0	0	0	0	35	0	100	100	*	*	0	*
location	142	0	0	0	0	0	142	0	100	100	*	*	0	*
type	163	0	0	0	0	0	163	0	100	100	*	*	0	*
subtotals	340	0	0	0	0	0	340	0	100	100	*	*	0	*
<person>	118	18	0	0	2	16	116	0	100	98	89	100	0	0
name	118	18	0	0	2	16	116	0	100	98	89	100	0	0
entity	118	28	0	0	0	28	118	0	100	100	100	*	0	0
position	136	0	0	0	0	0	136	0	100	100	*	*	0	*
subtotals	372	46	0	0	2	44	370	0	100	99	96	100	0	0
<ownership>	102	0	0	0	0	0	102	0	100	100	*	*	0	*
time	21	0	0	0	0	0	21	0	100	100	*	*	0	*
owned	102	0	0	0	0	0	102	0	100	100	*	*	0	*
capital	27	0	0	0	0	0	27	0	100	100	*	*	0	*
owner%	376	0	0	0	0	0	376	0	100	100	*	*	0	*
subtotals	526	0	0	0	0	0	526	0	100	100	*	*	0	*
<revenue>	23	0	0	0	0	0	23	0	100	100	*	*	0	*
type	23	0	0	0	0	0	23	0	100	100	*	*	0	*
total	15	0	0	0	0	0	15	0	100	100	*	*	0	*
total-eta	11	0	0	0	0	0	11	0	100	100	*	*	0	*
rate	8	0	0	0	0	0	8	0	100	100	*	*	0	*
rate-eta	0	0	0	0	0	0	0	0	*	*	*	*	0	*
subtotals	57	0	0	0	0	0	57	0	100	100	*	*	0	*
<time>	149	0	0	0	0	0	149	0	100	100	*	*	0	*
after	16	0	0	0	0	0	16	0	100	100	*	*	0	*
before	27	0	0	0	0	0	27	0	100	100	*	*	0	*
during	91	0	0	0	0	0	91	0	100	100	*	*	0	*
on	19	0	0	0	0	0	19	0	100	100	*	*	0	*
subtotals	153	0	0	0	0	0	153	0	100	100	*	*	0	*

ALL-OBJECTS	12048	372	66	11	4	200	11876	112	99	98	54	58	0	19
MATCHED-ONLY	566	225	66	11	4	83	424	112	89	75	37	50	13	32
TEXT-FILTERING	251	63	58	-	-	5	193	26	-	77	8	-	23	92
RICHNESS-NORMALIZED-ERROR				Wrong	Req-fills	All-fills			Min-err	Max-err				
ERROR-RATE-PER-WORD				12176.5	11797	12122			1.0045	1.0322				
F-MEASURES				Wrong	Word-count	Error-rate								
				12176.5	92862	0.1311								
				P&R	2P&R	P&2R								
				1.15	2.64	0.74								

2. Core-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	282	280	268	0	0	12	14	0	9	5	4	0	95	96
content	348	86	22	0	46	18	280	24	94	80	21	68	6	26
subtotals	348	86	22	0	46	18	280	24	94	80	21	68	6	26
<tie-up-relati	348	38	22	0	7	9	319	0	94	92	24	24	6	58
status	348	0	0	0	0	0	348	0	100	100	*	*	0	*
entity	791	53	24	0	12	17	755	0	97	95	32	33	3	45
joint-venture	179	53	2	0	13	38	164	0	99	92	72	87	1	4
subtotals	1318	106	26	0	25	55	1267	0	98	96	52	49	2	24
<entity>	975	49	28	0	13	8	934	0	97	96	16	32	3	57
name	873	49	17	7	17	8	832	0	98	95	16	50	2	42
aliases	359	0	0	0	0	0	359	11	100	100	*	*	0	*
location	323	27	0	4	1	22	318	7	99	98	81	60	1	7
nationality	264	27	1	0	3	23	260	10	100	98	85	75	0	4
type	975	0	0	0	0	0	975	0	100	100	*	*	0	*
entity-rel	1151	0	0	0	0	0	1151	0	100	100	*	*	0	*
subtotals	3945	103	18	11	21	53	3895	28	99	99	51	53	0	23
<entity-relati	437	0	0	0	0	0	437	0	100	100	*	*	0	*
entity1	885	0	0	0	0	0	885	0	100	100	*	*	0	*
entity2	267	0	0	0	0	0	267	0	100	100	*	*	0	*
rel-ent2-to-e	437	0	0	0	0	0	437	0	100	100	*	*	0	*
status	431	0	0	0	0	0	431	0	100	100	*	*	0	*
subtotals	2020	0	0	0	0	0	2020	0	100	100	*	*	0	*
ALL-OBJECTS	7631	295	66	11	4	126	7462	52	99	98	43	58	1	24
MATCHED-ONLY	525	212	66	11	4	70	383	52	88	73	33	50	14	34
TEXT-FILTERING	251	63	58	-	-	5	193	26	-	77	8	-	23	92
ERROR-RATE-PER-WORD				Wrong	Word-count	Error-rate								
				7685.5	92862	0.0828								
				P&R	2P&R	P&2R								
				1.8	4.06	1.16								

EJV Summary Scores
Umass/Hughes CIRCUS System

1. Full-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	282	281	281	0	0	0	1	0	0	0	0	0	100	100
doc-nr	282	281	281	0	0	0	1	0	0	0	0	0	100	100
doc-date	275	281	274	0	0	7	1	0	3	0	2	0	100	98
doc-source	276	281	275	0	0	6	1	0	2	0	2	0	100	98
content	349	223	169	0	10	44	170	21	57	49	20	6	48	76
subtotals	349	223	169	0	10	44	170	21	57	49	20	6	48	76
<tie-up-relati	349	237	182	0	10	45	157	0	54	45	19	5	52	77
status	349	167	115	0	33	19	201	0	69	58	11	22	33	69
entity	793	509	304	0	66	139	423	0	67	53	27	18	38	60
joint-venture	180	78	33	0	16	29	131	53	84	73	37	33	18	42
ownership	102	41	27	0	2	12	73	114	76	72	29	7	26	66
activity	388	103	45	0	24	34	319	15	89	82	33	35	12	44
subtotals	1812	898	524	0	141	233	1147	182	74	63	26	21	29	58
<entity>	976	1017	611	0	128	278	237	0	51	24	27	17	63	60
name	873	873	320	84	215	254	254	16	68	29	29	42	41	41
aliases	359	92	66	3	4	19	286	358	82	80	21	8	19	73
location	325	223	91	8	23	101	203	393	78	62	45	22	29	43
nationality	265	190	87	1	9	93	168	418	76	63	49	10	33	46
type	976	878	545	0	120	213	311	0	54	32	24	18	56	62
entity-rel	1155	599	392	0	73	134	690	0	70	60	22	16	34	65
person	118	42	16	0	4	22	98	535	88	83	52	20	14	38
facility	81	0	0	0	0	0	81	577	100	100	*	*	0	*
subtotals	4152	2897	1517	96	448	836	2091	2297	69	50	29	24	38	54
<entity-relati	436	237	175	0	29	33	232	0	63	53	14	14	40	74
entity1	883	518	304	0	76	138	503	0	70	57	27	20	34	59
entity2	266	78	38	0	19	21	209	53	87	78	27	33	14	49
rel-ent2-to-e	436	237	101	0	103	33	232	0	78	53	14	50	23	43
status	431	237	136	0	66	35	229	0	71	53	15	33	32	57
subtotals	2016	1070	579	0	264	227	1173	53	74	58	21	31	29	54
<activity>	387	101	66	0	19	16	302	0	84	78	16	22	17	65
industry	420	88	64	0	8	16	348	0	85	83	18	11	15	73
site	552	0	0	0	0	0	552	9	100	100	*	*	0	*
start	103	0	0	0	0	0	103	48	100	100	*	*	0	*
end	16	0	0	0	0	0	16	61	100	100	*	*	0	*
revenue	23	17	2	0	1	14	20	60	94	87	82	33	9	12
subtotals	1114	105	66	0	9	30	1039	178	94	93	28	12	6	63
<industry>	413	89	66	0	11	12	336	0	84	81	13	14	16	74
type	380	58	41	0	8	9	331	1	89	87	16	16	11	71
prod-serv	807	113	21	26	50	16	710	11	96	88	14	65	4	30
subtotals	1187	171	62	26	58	25	1041	12	94	88	15	49	6	44
<facility>	164	4	1	0	1	2	162	0	99	99	50	50	1	25
name	35	0	0	0	0	0	35	1	100	100	*	*	0	*
location	142	4	1	0	1	2	140	0	99	98	50	50	1	25
type	163	0	0	0	0	0	163	0	100	100	*	*	0	*
subtotals	340	4	1	0	1	2	338	1	100	99	50	50	0	25
<person>	118	195	64	0	11	120	43	0	73	36	62	15	54	33
name	118	164	45	5	17	97	51	0	78	43	59	29	40	29
entity	118	42	16	0	8	18	94	0	88	80	43	33	14	38
position	136	112	46	0	7	59	83	0	76	61	53	13	34	41
subtotals	372	318	107	5	32	174	228	0	80	61	55	24	29	34
<ownership>	102	41	29	0	3	9	70	0	74	69	22	9	28	71
time	21	0	0	0	0	0	21	27	100	100	*	*	0	*
owned	102	17	7	0	7	3	88	0	93	86	18	50	7	41
capital	27	8	4	0	1	3	22	15	87	81	38	20	15	50
owner%	376	124	48	10	30	36	288	1	87	76	29	40	14	43
subtotals	526	149	59	10	38	42	419	43	89	80	28	40	12	43
<revenue>	23	17	2	0	3	12	18	0	94	78	70	60	9	12
type	23	17	2	0	3	12	18	0	94	78	70	60	9	12
total	15	0	0	0	0	0	15	2	100	100	*	*	0	*
total-eta	11	0	0	0	0	0	11	2	100	100	*	*	0	*
rate	8	17	2	0	1	14	5	0	91	62	82	33	25	12
rate-eta	0	0	0	0	0	0	0	2	*	*	*	*	*	*
subtotals	57	34	4	0	4	26	49	6	95	86	76	50	7	12
<time>	149	0	0	0	0	0	149	0	100	100	*	*	0	*
after	16	0	0	0	0	0	16	0	100	100	*	*	0	*
before	27	0	0	0	0	0	27	0	100	100	*	*	0	*
during	91	0	0	0	0	0	91	0	100	100	*	*	0	*
on	19	0	0	0	0	0	19	0	100	100	*	*	0	*
subtotals	153	0	0	0	0	0	153	0	100	100	*	*	0	*

ALL-OBJECTS	12078	5869	3088	137	161	1639	7848	2793	77	65	28	25	26	54
MATCHED-ONLY	5772	4137	3088	137	161	313	1948	2793	48	34	8	17	55	76
TEXT-FILTERING	251	174	164	-	-	10	87	21	-	35	6	-	65	94
RICHNESS-NORMALIZED-ERROR				Wrong	Req-fills		All-fills		Min-err		Max-err			
ERROR-RATE-PER-WORD				10560.5	11807		12133		0.8704		0.8944			
F-MEASURES				Wrong	Word-count		Error-rate							
				10560.5	92862		0.1137							
				P&R	2P&R		P&2R							
				35.18	44.39		29.13							

2. Core-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	282	281	281	0	0	0	1	0	0	0	0	0	100	100
content	349	223	169	0	10	44	170	21	57	49	20	6	48	76
subtotals	349	223	169	0	10	44	170	21	57	49	20	6	48	76
<tie-up-relati	349	237	182	0	10	45	157	0	54	45	19	5	52	77
status	349	167	115	0	33	19	201	0	69	58	11	22	33	69
entity	793	509	304	0	66	139	423	0	67	53	27	18	38	60
joint-venture	180	78	33	0	16	29	131	53	84	73	37	33	18	42
subtotals	1322	754	452	0	115	187	755	53	70	57	25	20	34	60
<entity>	976	1017	611	0	128	278	237	0	51	24	27	17	63	60
name	873	873	320	84	215	254	254	16	68	29	29	42	41	41
aliases	359	92	66	3	4	19	286	358	82	80	21	8	19	73
location	325	223	91	8	23	101	203	393	78	62	45	22	29	43
nationality	265	190	87	1	9	93	168	418	76	63	49	10	33	46
type	976	878	545	0	120	213	311	0	54	32	24	18	56	62
entity-rel	1155	599	392	0	73	134	690	0	70	60	22	16	34	65
subtotals	3953	2855	1501	96	444	814	1912	1185	68	48	28	24	39	54
<entity-relati	436	237	175	0	29	33	232	0	63	53	14	14	40	74
entity1	883	518	304	0	76	138	503	0	70	57	27	20	34	59
entity2	266	78	38	0	19	21	209	53	87	78	27	33	14	49
rel-ent2-to-e	436	237	101	0	103	33	232	0	78	53	14	50	23	43
status	431	237	136	0	66	35	229	0	71	53	15	33	32	57
subtotals	2016	1070	579	0	264	227	1173	53	74	58	21	31	29	54
ALL-OBJECTS	7640	4902	2701	96	145	1272	4010	1312	69	52	26	24	36	56
MATCHED-ONLY	4513	3562	2701	96	145	284	1235	1312	43	27	8	16	61	77
TEXT-FILTERING	251	174	164	-	-	10	87	21	-	35	6	-	65	94
ERROR-RATE-PER-WORD				Wrong	Word-count		Error-rate							
F-MEASURES				6163	92862		0.0664							
				P&R	2P&R		P&2R							
				43.84	50.44		38.76							

**EJV Summary Scores
UNISYS CBAS System**

1. Full-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	282	280	280	0	0	0	2	0	1	1	0	0	99	100
doc-nr	282	280	280	0	0	0	2	0	1	1	0	0	99	100
doc-date	275	199	196	0	3	0	76	7	29	28	0	2	71	98
doc-source	276	280	274	0	0	6	2	0	3	1	2	0	99	98
content	348	293	223	0	9	61	116	19	45	33	21	4	64	76
subtotals	348	293	223	0	9	61	116	19	45	33	21	4	64	76
<tie-up-relati	348	293	223	0	9	61	116	0	45	33	21	4	64	76
status	348	293	181	0	51	61	116	0	56	33	21	22	52	62
entity	791	1086	449	0	55	582	287	0	67	36	54	11	57	41
joint-venture	179	40	29	0	5	6	145	95	84	81	15	15	16	72
ownership	102	0	0	0	0	0	102	162	100	100	*	*	0	*
activity	387	0	0	0	0	0	387	17	100	100	*	*	0	*
subtotals	1807	1419	659	0	111	649	1037	274	73	57	46	14	36	46
<entity>	975	941	589	0	54	298	332	0	54	34	32	8	60	62
name	872	939	335	76	187	341	274	1	69	31	36	38	43	40
aliases	359	123	76	6	10	31	267	342	80	74	25	14	22	64
location	323	0	0	0	0	0	323	403	100	100	*	*	0	*
nationality	265	147	37	1	10	99	217	385	90	82	67	22	14	26
type	975	941	547	0	96	298	332	0	57	34	32	15	56	58
entity-rel	1152	1135	553	0	122	460	477	0	66	41	40	18	48	49
person	118	0	0	0	0	0	118	517	100	100	*	*	0	*
facility	81	0	0	0	0	0	81	556	100	100	*	*	0	*
subtotals	4145	3285	1548	83	425	1229	2089	2204	70	50	37	23	38	48
<entity-relati	437	329	239	0	16	74	182	0	53	42	22	6	55	73
entity1	885	1121	457	0	56	608	372	0	69	42	54	11	52	41
entity2	267	75	38	0	10	27	219	97	87	82	36	21	14	51
rel-ent2-to-e	437	329	142	0	113	74	182	0	72	42	22	44	32	43
status	432	329	184	0	69	76	179	0	64	41	23	27	42	56
subtotals	2021	1854	821	0	248	785	952	97	71	47	42	23	41	44
<activity>	386	0	0	0	0	0	386	0	100	100	*	*	0	*
industry	418	0	0	0	0	0	418	0	100	100	*	*	0	*
site	551	0	0	0	0	0	551	0	100	100	*	*	0	*
start	103	0	0	0	0	0	103	0	100	100	*	*	0	*
end	16	0	0	0	0	0	16	0	100	100	*	*	0	*
revenue	23	0	0	0	0	0	23	0	100	100	*	*	0	*
subtotals	1111	0	0	0	0	0	1111	0	100	100	*	*	0	*
<industry>	411	0	0	0	0	0	411	0	100	100	*	*	0	*
type	378	0	0	0	0	0	378	0	100	100	*	*	0	*
prod-serv	793	0	0	0	0	0	793	0	100	100	*	*	0	*
subtotals	1171	0	0	0	0	0	1171	0	100	100	*	*	0	*
<facility>	164	0	0	0	0	0	164	0	100	100	*	*	0	*
name	35	0	0	0	0	0	35	0	100	100	*	*	0	*
location	142	0	0	0	0	0	142	0	100	100	*	*	0	*
type	163	0	0	0	0	0	163	0	100	100	*	*	0	*
subtotals	340	0	0	0	0	0	340	0	100	100	*	*	0	*
<person>	118	0	0	0	0	0	118	0	100	100	*	*	0	*
name	118	0	0	0	0	0	118	0	100	100	*	*	0	*
entity	118	0	0	0	0	0	118	0	100	100	*	*	0	*
position	136	0	0	0	0	0	136	0	100	100	*	*	0	*
subtotals	372	0	0	0	0	0	372	0	100	100	*	*	0	*
<ownership>	102	0	0	0	0	0	102	0	100	100	*	*	0	*
time	21	0	0	0	0	0	21	0	100	100	*	*	0	*
owned	102	0	0	0	0	0	102	0	100	100	*	*	0	*
capital	27	0	0	0	0	0	27	0	100	100	*	*	0	*
owner%	376	0	0	0	0	0	376	0	100	100	*	*	0	*
subtotals	526	0	0	0	0	0	526	0	100	100	*	*	0	*
<revenue>	23	0	0	0	0	0	23	0	100	100	*	*	0	*
type	23	0	0	0	0	0	23	0	100	100	*	*	0	*
total	15	0	0	0	0	0	15	0	100	100	*	*	0	*
total-eta	11	0	0	0	0	0	11	0	100	100	*	*	0	*
rate	8	0	0	0	0	0	8	0	100	100	*	*	0	*
rate-eta	0	0	0	0	0	0	0	0	*	*	*	*	*	*
subtotals	57	0	0	0	0	0	57	0	100	100	*	*	0	*
<time>	149	0	0	0	0	0	149	0	100	100	*	*	0	*
after	16	0	0	0	0	0	16	0	100	100	*	*	0	*
before	27	0	0	0	0	0	27	0	100	100	*	*	0	*
during	91	0	0	0	0	0	91	0	100	100	*	*	0	*
on	19	0	0	0	0	0	19	0	100	100	*	*	0	*
subtotals	153	0	0	0	0	0	153	0	100	100	*	*	0	*

ALL-OBJECTS	12051	6851	3251	83	168	2724	7924	2594	78	66	40	20	27	48
MATCHED-ONLY	5225	4896	3251	83	168	1004	1333	2594	47	26	20	15	63	67
TEXT-FILTERING	251	198	186	-	-	12	65	19	-	26	6	-	74	94
RICHNESS-NORMALIZED-ERROR				Wrong	Req-fills		All-fills		Min-err		Max-err			
ERROR-RATE-PER-WORD				11482.5	11797		12122		0.9472		0.9733			
F-MEASURES				Wrong	Word-count		Error-rate							
				11482.5	92862		0.1237							
				P&R	2P&R		P&2R							
				34.84	41.72		29.9							

2. Core-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	282	280	280	0	0	0	2	0	1	1	0	0	99	100
content	348	293	223	0	9	61	116	19	45	33	21	4	64	76
subtotals	348	293	223	0	9	61	116	19	45	33	21	4	64	76
<tie-up-relati	348	293	223	0	9	61	116	0	45	33	21	4	64	76
status	348	293	181	0	51	61	116	0	56	33	21	22	52	62
entity	791	1086	449	0	55	582	287	0	67	36	54	11	57	41
joint-venture	179	40	29	0	5	6	145	95	84	81	15	15	16	72
subtotals	1318	1419	659	0	111	649	548	95	66	42	46	14	50	46
<entity>	975	941	589	0	54	298	332	0	54	34	32	8	60	62
name	872	939	335	77	186	341	274	1	69	31	36	38	43	40
aliases	359	123	77	6	9	31	267	342	79	74	25	13	22	65
location	323	0	0	0	0	0	323	403	100	100	*	*	0	*
nationality	265	147	37	1	10	99	217	385	90	82	67	22	14	26
type	975	941	547	0	96	298	332	0	57	34	32	15	56	58
entity-rel	1152	1135	552	0	123	460	477	0	66	41	40	18	48	49
subtotals	3946	3285	1548	84	424	1229	1890	1131	69	48	37	23	40	48
<entity-relati	437	329	239	0	16	74	182	0	53	42	22	6	55	73
entity1	885	1121	457	0	56	608	372	0	69	42	54	11	52	41
entity2	267	75	38	0	10	27	219	97	87	82	36	21	14	51
rel-ent2-to-e	437	329	142	0	113	74	182	0	72	42	22	44	32	43
status	432	329	184	0	69	76	179	0	64	41	23	27	42	56
subtotals	2021	1854	821	0	248	785	952	97	71	47	42	23	41	44
ALL-OBJECTS	7633	6851	3251	84	166	2724	3506	1342	68	46	40	20	43	48
MATCHED-ONLY	4772	4896	3251	84	166	1004	880	1342	43	18	20	15	69	67
TEXT-FILTERING	251	198	186	-	-	12	65	19	-	26	6	-	74	94
ERROR-RATE-PER-WORD				Wrong	Word-count		Error-rate							
F-MEASURES				7064	92862		0.0761							
				P&R	2P&R		P&2R							
				45.47	46.99		44.04							

**EJV Summary Scores
USC SNAP System**

1. Full-Template Test

SLOT	PCS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	282	275	275	0	0	0	7	0	2	2	0	0	98	100
doc-nr	282	275	275	0	0	0	7	0	2	2	0	0	98	100
doc-date	275	0	0	0	0	0	275	7	100	100	*	*	0	*
doc-source	276	0	0	0	0	0	276	6	100	100	*	*	0	*
content	348	332	178	0	36	118	134	24	62	38	36	17	51	54
subtotals	348	332	178	0	36	118	134	24	62	38	36	17	51	54
<tie-up-relati	348	331	178	0	36	117	134	0	62	38	35	17	51	54
status	348	331	152	0	62	117	134	0	67	38	35	29	44	46
entity	791	688	249	0	166	273	376	0	76	48	40	40	31	36
joint-venture	179	24	3	0	7	14	169	70	98	94	58	70	2	12
ownership	102	0	0	0	0	0	102	121	100	100	*	*	0	*
activity	386	379	110	0	98	171	178	0	80	46	45	47	28	29
subtotals	1806	1422	514	0	333	575	959	191	78	53	40	39	28	36
<entity>	976	675	343	0	160	172	473	0	70	48	25	32	35	51
name	873	665	136	58	265	206	414	0	85	47	31	64	19	25
aliases	359	32	20	2	4	6	333	205	94	93	19	19	6	66
location	323	30	2	1	17	10	303	237	99	94	33	88	1	8
nationality	265	51	13	1	7	30	244	238	95	92	59	36	5	26
type	976	665	330	0	166	169	480	0	71	49	25	33	34	50
entity-rel	1152	630	290	0	176	164	686	0	78	60	26	38	25	46
person	118	1	0	0	0	1	118	316	100	100	100	*	0	0
facility	81	32	2	0	2	28	77	306	98	95	88	50	2	6
subtotals	4147	2106	793	62	637	614	2655	1302	83	64	29	45	20	39
<entity-relati	437	295	146	0	66	83	225	0	72	51	28	31	33	49
entity1	885	617	253	0	154	210	478	0	77	54	34	38	28	41
entity2	267	14	4	0	3	7	260	59	98	97	50	43	1	28
rel-ent2-to-e	437	295	67	0	145	83	225	0	87	51	28	68	15	23
status	432	295	111	0	98	86	223	0	78	52	29	47	26	38
subtotals	2021	1221	435	0	400	386	1186	59	82	59	32	48	22	36
<activity>	386	379	143	0	87	149	156	0	73	40	39	38	37	38
industry	418	379	143	0	82	154	193	0	75	46	41	36	34	38
site	551	0	0	0	0	0	551	16	100	100	*	*	0	*
start	103	0	0	0	0	0	103	103	100	100	*	*	0	*
end	16	0	0	0	0	0	16	133	100	100	*	*	0	*
revenue	23	0	0	0	0	0	23	136	100	100	*	*	0	*
subtotals	1111	379	143	0	82	154	886	388	89	80	41	36	13	38
<industry>	411	379	149	0	86	144	176	0	73	43	38	36	36	39
type	381	379	147	0	70	162	164	0	73	43	43	32	38	39
prod-serv	814	305	5	9	96	152	704	1	99	86	50	91	1	3
subtotals	1195	684	152	9	166	314	868	1	90	73	46	52	13	23
<facility>	164	32	5	0	20	7	139	0	97	85	22	80	3	16
name	35	32	0	0	2	30	33	0	100	94	94	100	0	0
location	142	0	0	0	0	0	142	1	100	100	*	*	0	*
type	163	32	5	0	20	7	138	0	97	85	22	80	3	16
subtotals	340	64	5	0	22	37	313	1	99	92	58	81	1	8
<person>	118	0	0	0	0	0	118	0	100	100	*	*	0	*
name	118	0	0	0	0	0	118	0	100	100	*	*	0	*
entity	118	0	0	0	0	0	118	0	100	100	*	*	0	*
position	136	0	0	0	0	0	136	0	100	100	*	*	0	*
subtotals	372	0	0	0	0	0	372	0	100	100	*	*	0	*
<ownership>	102	0	0	0	0	0	102	0	100	100	*	*	0	*
time	21	0	0	0	0	0	21	0	100	100	*	*	0	*
owned	102	0	0	0	0	0	102	0	100	100	*	*	0	*
capital	27	0	0	0	0	0	27	0	100	100	*	*	0	*
owner%	376	0	0	0	0	0	376	0	100	100	*	*	0	*
subtotals	526	0	0	0	0	0	526	0	100	100	*	*	0	*
<revenue>	23	0	0	0	0	0	23	0	100	100	*	*	0	*
type	23	0	0	0	0	0	23	0	100	100	*	*	0	*
total	15	0	0	0	0	0	15	0	100	100	*	*	0	*
total-eta	11	0	0	0	0	0	11	0	100	100	*	*	0	*
rate	8	0	0	0	0	0	8	0	100	100	*	*	0	*
rate-eta	0	0	0	0	0	0	0	0	*	*	*	*	*	*
subtotals	57	0	0	0	0	0	57	0	100	100	*	*	0	*
<time>	149	0	0	0	0	0	149	0	100	100	*	*	0	*
after	16	0	0	0	0	0	16	0	100	100	*	*	0	*
before	27	0	0	0	0	0	27	0	100	100	*	*	0	*
during	91	0	0	0	0	0	91	0	100	100	*	*	0	*
on	19	0	0	0	0	0	19	0	100	100	*	*	0	*
subtotals	153	0	0	0	0	0	153	0	100	100	*	*	0	*

ALL-OBJECTS	12076	6208	2220	71	144	2198	8109	1966	84	67	35	43	19	36
MATCHED-ONLY	4406	3286	2220	71	144	292	1455	1966	52	33	9	24	51	69
TEXT-FILTERING	251	180	173	-	-	7	78	24	-	31	4	-	69	96
RICHNESS-NORMALIZED-ERROR				Wrong 12018.5	Req-fills 11800		All-fills 12125		Min-err 0.9912		Max-err 1.0185			
ERROR-RATE-PER-WORD				Wrong 12018.5	Word-count 92862		Error-rate 0.1294							
F-MEASURES				P&R 24.67	2P&R 30.56		P&2R 20.69							

2. Core-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	282	275	275	0	0	0	7	0	2	2	0	0	98	100
content	348	332	178	0	36	118	134	24	62	38	36	17	51	54
subtotals	348	332	178	0	36	118	134	24	62	38	36	17	51	54
<ie-up-relati	348	331	178	0	36	117	134	0	62	38	35	17	51	54
status	348	331	152	0	62	117	134	0	67	38	35	29	44	46
entity	791	688	249	0	166	273	376	0	76	48	40	40	31	36
joint-venture	179	24	3	0	7	14	169	70	98	94	58	70	2	12
subtotals	1318	1043	404	0	235	404	679	70	76	52	39	37	31	39
<entity>	976	675	343	0	160	172	473	0	70	48	25	32	35	51
name	873	665	136	58	265	206	414	0	85	47	31	64	19	25
aliases	359	32	20	2	4	6	333	205	94	93	19	19	6	66
location	323	30	2	1	17	10	303	237	99	94	33	88	1	8
nationality	265	51	13	1	7	30	244	238	95	92	59	36	5	26
type	976	665	330	0	166	169	480	0	71	49	25	33	34	50
entity-rel	1152	630	290	0	176	164	686	0	78	60	26	38	25	46
subtotals	3948	2073	791	62	635	585	2460	680	82	62	28	45	21	40
<entity-relati	437	295	146	0	66	83	225	0	72	51	28	31	33	49
entity1	885	617	253	0	154	210	478	0	77	54	34	38	28	41
entity2	267	14	4	0	3	7	260	59	98	97	50	43	1	28
rel-ent2-to-e	437	295	67	0	145	83	225	0	87	51	28	68	15	23
status	432	295	111	0	98	86	223	0	78	52	29	47	26	38
subtotals	2021	1221	435	0	400	386	1186	59	82	59	32	48	22	36
ALL-OBJECTS	7635	4669	1808	62	144	1493	4459	833	80	58	32	42	24	39
MATCHED-ONLY	3179	2603	1808	62	144	213	789	833	46	25	8	23	58	71
TEXT-FILTERING	251	180	173	-	-	7	78	24	-	31	4	-	69	96
ERROR-RATE-PER-WORD				Wrong 7289	Word-count 92862		Error-rate 0.0785							
F-MEASURES				P&R 29.89	2P&R 34.95		P&2R 26.12							

**EJV Summary Scores
USussex SUSSEX System**

1. Full-Template Test

SLOT	PCS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	282	279	279	0	0	0	3	0	1	1	0	0	99	100
doc-nr	282	279	279	0	0	0	3	0	1	1	0	0	99	100
doc-date	275	272	272	0	0	0	3	7	1	1	0	0	99	100
doc-source	276	273	273	0	0	0	3	6	1	1	0	0	99	100
content	347	273	223	0	18	32	106	4	41	30	12	7	64	82
subtotals	347	273	223	0	18	32	106	4	41	30	12	7	64	82
<tie-up-relati	347	273	223	0	18	32	106	0	41	30	12	7	64	82
status	347	270	183	0	56	31	108	0	52	31	11	23	53	68
entity	788	780	332	0	176	272	280	0	69	36	35	35	42	42
joint-venture	179	21	14	0	6	1	159	96	92	89	5	30	8	67
ownership	102	0	0	0	0	0	102	159	100	100	*	*	0	*
activity	386	270	176	0	51	43	159	0	59	41	16	22	46	65
subtotals	1802	1341	705	0	289	347	808	255	67	45	26	29	39	52
<entity>	976	814	448	0	205	161	323	0	60	33	20	31	46	55
name	873	464	162	52	168	82	491	24	80	56	18	51	22	40
aliases	360	0	0	0	0	0	360	258	100	100	*	*	0	*
location	323	44	4	1	12	27	306	314	99	95	61	74	1	10
nationality	265	68	29	0	6	33	230	318	90	87	48	17	11	43
type	976	814	376	0	277	161	323	0	67	33	20	42	38	46
entity-rel	1154	795	405	0	235	155	514	0	69	44	19	37	35	51
person	118	28	0	0	7	21	111	394	100	94	75	100	0	0
facility	81	38	4	0	1	33	76	392	96	94	87	20	5	10
subtotals	4150	2251	980	53	706	512	2411	1700	78	58	23	42	24	45
<entity-relati	436	267	169	0	70	28	197	0	64	45	10	29	39	63
entity1	883	774	334	0	167	273	382	0	71	43	35	33	38	43
entity2	266	21	15	0	5	1	246	69	94	92	5	25	6	71
rel-ent2-to-e	436	267	87	0	152	28	197	0	81	45	10	64	20	32
status	431	267	128	0	109	30	194	0	72	45	11	46	30	48
subtotals	2016	1329	564	0	433	332	1019	69	76	50	25	43	28	42
<activity>	386	268	190	0	41	37	155	0	55	40	14	18	49	71
industry	419	268	170	0	54	44	195	0	63	46	16	24	40	63
site	551	201	87	0	45	67	419	49	86	76	33	34	16	43
start	103	0	0	0	0	0	103	134	100	100	*	*	0	*
end	16	0	0	0	0	0	16	181	100	100	*	*	0	*
revenue	23	0	0	0	0	0	23	181	100	100	*	*	0	*
subtotals	1112	469	257	0	99	111	756	545	79	68	24	28	23	55
<industry>	412	268	173	0	52	43	187	0	62	45	16	23	42	64
type	382	275	152	0	53	70	177	0	66	46	25	26	40	55
prod-serv	816	482	49	18	227	179	522	7	94	64	37	80	7	12
subtotals	1198	757	201	18	280	249	699	7	85	58	33	58	18	28
<facility>	164	139	66	0	15	58	83	0	70	51	42	18	40	47
name	35	0	0	0	0	0	35	59	100	100	*	*	0	*
location	142	34	4	3	17	10	118	7	96	83	29	77	4	16
type	163	139	66	0	15	58	82	0	70	50	42	18	40	47
subtotals	340	173	70	3	32	68	235	66	82	69	39	32	21	41
<person>	118	0	0	0	0	0	118	0	100	100	*	*	0	*
name	118	0	0	0	0	0	118	0	100	100	*	*	0	*
entity	118	0	0	0	0	0	118	0	100	100	*	*	0	*
position	136	0	0	0	0	0	136	0	100	100	*	*	0	*
subtotals	372	0	0	0	0	0	372	0	100	100	*	*	0	*
<ownership>	102	0	0	0	0	0	102	0	100	100	*	*	0	*
time	21	0	0	0	0	0	21	0	100	100	*	*	0	*
owned	102	0	0	0	0	0	102	0	100	100	*	*	0	*
capital	27	0	0	0	0	0	27	0	100	100	*	*	0	*
owner%	376	0	0	0	0	0	376	0	100	100	*	*	0	*
subtotals	526	0	0	0	0	0	526	0	100	100	*	*	0	*
<revenue>	23	0	0	0	0	0	23	0	100	100	*	*	0	*
type	23	0	0	0	0	0	23	0	100	100	*	*	0	*
total	15	0	0	0	0	0	15	0	100	100	*	*	0	*
total-eta	11	0	0	0	0	0	11	0	100	100	*	*	0	*
rate	8	0	0	0	0	0	8	0	100	100	*	*	0	*
rate-eta	0	0	0	0	0	0	0	0	*	*	*	*	*	*
subtotals	57	0	0	0	0	0	57	0	100	100	*	*	0	*
<time>	149	0	0	0	0	0	149	0	100	100	*	*	0	*
after	16	0	0	0	0	0	16	0	100	100	*	*	0	*
before	27	0	0	0	0	0	27	0	100	100	*	*	0	*
during	91	0	0	0	0	0	91	0	100	100	*	*	0	*
on	19	0	0	0	0	0	19	0	100	100	*	*	0	*
subtotals	153	0	0	0	0	0	153	0	100	100	*	*	0	*

ALL-OBJECTS	12073	6593	3000	74	124	1651	7142	2646	78	59	25	38	25	46
MATCHED-ONLY	5560	4646	3000	74	124	650	1575	2646	51	28	14	24	55	65
TEXT-FILTERING	251	266	239	-	-	27	12	4	-	5	10	-	95	90
RICHNESS-NORMALIZED-ERROR				Wrong 10687		Req-fills 11793		All-fills 12117		Min-err 0.882		Max-err 0.9062		
ERROR-RATE-PER-WORD				Wrong 10687		Word-count 92862		Error-rate 0.1151						
F-MEASURES				P&R 32.54		2P&R 39.5		P&2R 27.67						

2. Core-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	282	279	279	0	0	0	3	0	1	1	0	0	99	100
content	347	273	223	0	18	32	106	4	41	30	12	7	64	82
subtotals	347	273	223	0	18	32	106	4	41	30	12	7	64	82
<tie-up-relati	347	273	223	0	18	32	106	0	41	30	12	7	64	82
status	347	270	183	0	56	31	108	0	52	31	11	23	53	68
entity	788	780	332	0	176	272	280	0	69	36	35	35	42	42
joint-venture	179	21	14	0	6	1	159	96	92	89	5	30	8	67
subtotals	1314	1071	529	0	238	304	547	96	67	42	28	31	40	49
<entity>	976	814	448	0	205	161	323	0	60	33	20	31	46	55
name	873	464	162	52	168	82	491	24	80	56	18	51	22	40
aliases	360	0	0	0	0	0	360	258	100	100	*	*	0	*
location	323	44	4	1	12	27	306	314	99	95	61	74	1	10
nationality	265	68	29	0	6	33	230	318	90	87	48	17	11	43
type	976	814	376	0	277	161	323	0	67	33	20	42	38	46
entity-rel	1154	795	405	0	235	155	514	0	69	44	19	37	35	51
subtotals	3951	2185	976	53	698	458	2224	914	77	56	21	42	25	46
<entity-relati	436	267	169	0	70	28	197	0	64	45	10	29	39	63
entity1	883	774	334	0	167	273	382	0	71	43	35	33	38	43
entity2	266	21	15	0	5	1	246	69	94	92	5	25	6	71
rel-ent2-to-e	436	267	87	0	152	28	197	0	81	45	10	64	20	32
status	431	267	128	0	109	30	194	0	72	45	11	46	30	48
subtotals	2016	1329	564	0	433	332	1019	69	76	50	25	43	28	42
ALL-OBJECTS	7628	4858	2292	53	121	1126	3896	1083	74	51	23	38	30	48
MATCHED-ONLY	3879	3374	2292	53	121	441	946	1083	46	24	13	21	60	69
TEXT-FILTERING	251	266	239	-	-	27	12	4	-	5	10	-	95	90
ERROR-RATE-PER-WORD				Wrong 6435.5		Word-count 92862		Error-rate 0.0693						
F-MEASURES				P&R 37.14		2P&R 42.84		P&2R 32.77						

**JJV Summary Scores
BBN PLUM System**

1. Full-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	150	150	150	0	0	0	0	0	0	0	0	0	100	100
doc-nr	150	150	150	0	0	0	0	0	0	0	0	0	100	100
doc-date	147	147	147	0	0	0	0	3	0	0	0	0	100	100
doc-source	150	150	150	0	0	0	0	0	0	0	0	0	100	100
content	205	246	158	0	8	80	39	1	44	19	32	5	77	64
subtotals	205	246	158	0	8	80	39	1	44	19	32	5	77	64
<tie-up-relati	205	246	158	0	8	80	39	0	44	19	32	5	77	64
status	205	246	151	0	15	80	39	0	47	19	32	9	74	61
entity	440	370	237	0	21	112	182	0	57	41	30	8	54	64
joint-venture	23	21	5	0	2	14	16	138	86	70	67	28	22	24
ownership	31	0	0	0	0	0	31	134	100	100	*	*	0	*
activity	235	92	34	0	24	34	177	14	87	75	37	41	14	37
subtotals	934	729	427	0	62	240	445	286	64	48	33	13	46	58
<entity>	423	316	265	0	20	31	138	0	42	33	10	7	63	84
name	405	295	199	23	45	28	138	3	51	34	9	21	52	71
aliases	174	118	68	3	9	38	94	127	67	54	32	13	40	59
location	118	34	0	0	26	8	92	207	100	78	24	100	0	0
nationality	125	22	14	0	1	7	110	195	89	88	32	7	11	64
type	423	316	262	0	23	31	138	0	42	33	10	8	62	83
entity-rel	495	388	254	0	31	103	210	0	58	42	26	11	51	65
person	75	9	8	0	0	1	67	227	89	89	11	0	11	89
facility	108	52	13	0	11	28	84	206	90	78	54	46	12	25
subtotals	1923	1234	818	26	146	244	933	965	62	48	20	16	43	67
<entity-relati	219	246	161	0	8	77	50	0	46	23	31	5	74	65
entity1	454	370	242	0	18	110	194	0	57	43	30	7	53	65
entity2	37	21	6	0	3	12	28	138	88	76	57	33	16	28
rel-ent2-to-e	219	246	144	0	25	77	50	0	51	23	31	15	66	58
status	218	246	152	0	16	78	50	0	49	23	32	10	70	62
subtotals	928	883	544	0	62	277	322	138	55	35	31	10	59	62
<activity>	235	65	38	0	19	8	178	0	84	76	12	33	16	58
industry	275	64	38	0	19	7	218	0	86	79	11	33	14	59
site	616	1	0	0	0	1	616	0	100	100	100	*	0	0
start	84	0	0	0	0	0	84	25	100	100	*	*	0	*
end	6	0	0	0	0	0	6	37	100	100	*	*	0	*
revenue	18	0	0	0	0	0	18	33	100	100	*	*	0	*
subtotals	999	65	38	0	19	8	942	95	96	94	12	33	4	58
<industry>	255	64	42	0	15	7	198	0	84	78	11	26	16	66
type	253	64	42	0	15	7	196	0	84	77	11	26	17	66
prod-serv	566	0	0	0	0	0	566	0	100	100	*	*	0	*
subtotals	819	64	42	0	15	7	762	0	95	93	11	26	5	66
<facility>	99	46	19	0	6	21	74	0	84	75	46	24	19	41
name	11	17	0	0	3	14	8	12	100	73	82	100	0	0
location	51	10	2	1	4	3	44	5	95	86	30	64	5	25
type	98	46	18	0	7	21	73	0	85	74	46	28	18	39
subtotals	160	73	20	1	14	38	125	17	90	78	52	41	13	28
<person>	75	9	8	0	1	0	66	0	89	88	0	11	11	89
name	75	9	8	0	1	0	66	0	89	88	0	11	11	89
entity	73	9	8	0	1	0	64	0	89	88	0	11	11	89
position	75	9	8	0	1	0	66	0	89	88	0	11	11	89
subtotals	223	27	24	0	3	0	196	0	89	88	0	11	11	89
<ownership>	31	0	0	0	0	0	31	0	100	100	*	*	0	*
time	12	0	0	0	0	0	12	0	100	100	*	*	0	*
owned	30	0	0	0	0	0	30	0	100	100	*	*	0	*
capital	9	0	0	0	0	0	9	0	100	100	*	*	0	*
owner%	76	0	0	0	0	0	76	0	100	100	*	*	0	*
subtotals	127	0	0	0	0	0	127	0	100	100	*	*	0	*
<revenue>	16	0	0	0	0	0	16	0	100	100	*	*	0	*
type	16	0	0	0	0	0	16	0	100	100	*	*	0	*
total	10	0	0	0	0	0	10	0	100	100	*	*	0	*
total-eta	10	0	0	0	0	0	10	0	100	100	*	*	0	*
rate	6	0	0	0	0	0	6	0	100	100	*	*	0	*
rate-eta	15	0	0	0	0	0	15	0	100	100	*	*	0	*
subtotals	57	0	0	0	0	0	57	0	100	100	*	*	0	*
<time>	107	0	0	0	0	0	107	0	100	100	*	*	0	*
after	101	0	0	0	0	0	101	0	100	100	*	*	0	*
before	13	0	0	0	0	0	13	0	100	100	*	*	0	*
during	1	0	0	0	0	0	1	0	100	100	*	*	0	*
on	0	0	0	0	0	0	0	0	*	*	*	*	*	*
subtotals	115	0	0	0	0	0	115	0	100	100	*	*	0	*

ALL-OBJECTS	6490	3321	2071	27	46	894	4063	1502	72	63	27	14	32	63
MATCHED-ONLY	3146	2565	2071	27	46	272	853	1502	39	27	11	9	66	81
TEXT-FILTERING	145	133	129	-	-	4	16	1	-	11	3	-	89	97
RICHNESS-NORMALIZED-ERROR		Wrong		Req-fills		All-fills		Min-err		Max-err				
		5299.5		6466		6633		0.799		0.8196				
ERROR-RATE-PER-WORD		Wrong		Word-count		Error-rate								
		5299.5		1771		2.9924								
F-MEASURES		P&R		2P&R		P&2R								
		42.49		52.71		35.59								

2. Core-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	150	150	150	0	0	0	0	0	0	0	0	0	100	100
content	205	246	158	0	8	80	39	1	44	19	32	5	77	64
subtotals	205	246	158	0	8	80	39	1	44	19	32	5	77	64
<tie-up-relati	205	246	158	0	8	80	39	0	44	19	32	5	77	64
status	205	246	151	0	15	80	39	0	47	19	32	9	74	61
entity	440	370	237	0	21	112	182	0	57	41	30	8	54	64
joint-venture	23	21	5	0	1	15	17	137	87	74	71	17	22	24
subtotals	668	637	393	0	37	207	238	137	55	36	32	9	59	62
<entity>	423	316	265	0	20	31	138	0	42	33	10	7	63	84
name	405	295	199	23	45	28	138	3	51	34	9	21	52	71
aliases	174	118	68	3	9	38	94	127	67	54	32	13	40	59
location	118	34	0	0	26	8	92	207	100	78	24	100	0	0
nationality	125	22	14	0	1	7	110	195	89	88	32	7	11	64
type	423	316	262	0	23	31	138	0	42	33	10	8	62	83
entity-rel	495	388	254	0	31	103	210	0	58	42	26	11	51	65
subtotals	1740	1173	797	26	135	215	782	532	58	45	18	15	46	69
<entity-relati	219	246	161	0	8	77	50	0	46	23	31	5	74	65
entity1	454	370	242	0	18	110	194	0	57	43	30	7	53	65
entity2	37	21	6	0	3	12	28	138	88	76	57	33	16	28
rel-ent2-to-e	219	246	144	0	25	77	50	0	51	23	31	15	66	58
status	218	246	152	0	16	78	50	0	49	23	32	10	70	62
subtotals	928	883	544	0	62	277	322	138	55	35	31	10	59	62
ALL-OBJECTS	3541	2939	1892	26	44	779	1381	808	56	39	26	12	54	65
MATCHED-ONLY	2457	2299	1892	26	44	228	386	808	29	16	10	8	78	83
TEXT-FILTERING	145	133	129	-	-	4	16	1	-	11	3	-	89	97
ERROR-RATE-PER-WORD		Wrong		Word-count		Error-rate								
		2415		1771		1.3636								
F-MEASURES		P&R		2P&R		P&2R								
		58.8		62.27		55.69								

**JJV Summary Scores
GE/CMU Shogun System**

1. Full-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	150	150	150	0	0	0	0	0	0	0	0	0	100	100
doc-nr	150	150	150	0	0	0	0	0	0	0	0	0	100	100
doc-date	147	147	147	0	0	0	0	3	0	0	0	0	100	100
doc-source	150	150	119	31	0	0	0	0	10	0	0	10	90	90
content	204	197	170	0	3	24	31	2	25	15	12	2	83	86
subtotals	204	197	170	0	3	24	31	2	25	15	12	2	83	86
<tie-up-relati	204	197	170	0	3	24	31	0	25	15	12	2	83	86
status	204	197	164	0	9	24	31	0	28	15	12	5	80	83
entity	438	458	325	0	24	109	89	0	40	20	24	7	74	71
joint-venture	22	22	9	0	2	11	11	146	73	50	50	18	41	41
ownership	32	16	10	0	1	5	21	141	73	66	31	9	31	62
activity	236	206	124	0	11	71	101	13	60	43	34	8	52	60
subtotals	932	899	632	0	47	220	253	300	45	27	24	7	68	70
<entity>	423	433	357	0	10	66	56	0	27	13	15	3	84	82
name	405	417	296	22	37	62	50	2	34	12	15	14	76	74
aliases	177	226	126	9	6	85	36	171	50	20	38	7	74	58
location	118	101	65	7	3	26	43	240	52	36	26	9	58	68
nationality	126	61	50	0	1	10	75	243	63	60	16	2	40	82
type	423	433	351	0	16	66	56	0	28	13	15	4	83	81
entity-rel	494	502	351	0	32	119	111	0	43	22	24	8	71	70
person	75	71	50	0	0	21	25	285	48	33	30	0	67	70
facility	108	93	23	0	10	60	75	258	86	69	64	30	21	25
subtotals	1926	1904	1312	38	105	449	471	1199	44	24	24	8	69	70
<entity-relati	219	208	174	0	5	29	40	0	30	18	14	3	79	84
entity1	454	469	331	0	24	114	99	0	42	22	24	7	73	70
entity2	37	33	14	0	1	18	22	147	74	59	54	7	38	42
rel-ent2-to-e	219	208	162	0	17	29	40	0	35	18	14	9	74	78
status	218	208	167	0	11	30	40	0	33	18	14	6	77	80
subtotals	928	918	674	0	53	191	201	147	40	22	21	7	73	73
<activity>	234	206	146	0	3	57	85	0	50	36	28	2	62	71
industry	274	208	131	0	18	59	125	0	61	46	28	12	48	63
site	615	536	217	0	29	290	369	154	76	60	54	12	35	40
start	84	49	12	0	8	29	64	80	89	76	59	40	14	24
end	6	0	0	0	0	0	6	144	100	100	*	*	0	*
revenue	18	0	0	0	0	0	18	140	100	100	*	*	0	*
subtotals	997	793	360	0	55	378	582	518	74	58	48	13	36	45
<industry>	255	208	160	0	2	46	93	0	47	36	22	1	63	77
type	253	208	135	0	26	47	92	0	55	36	22	16	53	65
prod-serv	568	417	140	36	120	121	272	22	77	48	29	47	28	38
subtotals	821	625	275	36	146	168	364	22	70	44	27	36	36	47
<facility>	99	76	28	0	8	40	63	0	80	64	53	22	28	37
name	11	16	3	3	1	9	4	19	78	36	56	36	41	28
location	51	35	6	2	10	17	33	6	90	65	48	61	14	20
type	98	76	28	0	8	40	62	0	80	63	53	22	28	37
subtotals	160	127	37	5	19	66	99	25	82	62	52	35	25	31
<person>	75	70	55	0	0	15	20	0	39	27	21	0	73	78
name	75	70	47	7	1	15	20	0	44	27	21	8	67	72
entity	73	70	50	0	5	15	18	0	43	25	21	9	68	71
position	75	70	46	0	9	15	20	0	49	27	21	16	61	66
subtotals	223	210	143	7	15	45	58	0	45	26	21	11	66	70
<ownership>	32	16	10	0	2	4	20	0	72	62	25	17	31	62
time	12	0	0	0	0	0	12	5	100	100	*	*	0	*
owned	31	4	3	0	0	1	28	0	91	90	25	0	10	75
capital	10	6	0	0	4	2	6	4	100	60	33	100	0	0
owner%	80	32	18	1	3	10	58	1	79	72	31	16	23	58
subtotals	133	42	21	1	7	13	104	10	85	78	31	26	16	51
<revenue>	16	0	0	0	0	0	16	0	100	100	*	*	0	*
type	16	0	0	0	0	0	16	0	100	100	*	*	0	*
total	10	0	0	0	0	0	10	0	100	100	*	*	0	*
total-eta	10	0	0	0	0	0	10	0	100	100	*	*	0	*
rate	6	0	0	0	0	0	6	0	100	100	*	*	0	*
rate-eta	15	0	0	0	0	0	15	0	100	100	*	*	0	*
subtotals	57	0	0	0	0	0	57	0	100	100	*	*	0	*
<time>	107	49	15	0	15	19	77	0	88	72	39	50	14	31
after	101	47	15	0	11	21	75	0	88	74	45	42	15	32
before	13	1	0	0	0	1	13	0	100	100	100	*	0	0
during	1	1	0	0	0	1	1	0	100	100	100	*	0	0
on	0	0	0	0	0	0	0	0	*	*	*	*	*	*
subtotals	115	49	15	0	11	23	89	0	89	77	47	42	13	31

ALL-OBJECTS	6496	5764	3639	87	48	1577	2309	2223	54	36	27	12	57	64
MATCHED-ONLY	4783	4676	3639	87	48	584	691	2223	31	14	12	10	77	79
TEXT-FILTERING	145	146	143	-	-	3	2	2	-	1	2	-	99	98
RICHNESS-NORMALIZED-ERROR				Wrong 4390.5	Req-fills 6462	All-fills 6628		Min-err 0.6624		Max-err 0.6794				
ERROR-RATE-PER-WORD				Wrong 4390.5	Word-count 1771	Error-rate 2.4791								
F-MEASURES				P&R 60.07	2P&R 62.31	P&2R 58								

2. Core-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	150	150	150	0	0	0	0	0	0	0	0	0	100	100
content	204	197	170	0	3	24	31	2	25	15	12	2	83	86
subtotals	204	197	170	0	3	24	31	2	25	15	12	2	83	86
<tie-up-relati	204	197	170	0	3	24	31	0	25	15	12	2	83	86
status	204	197	164	0	9	24	31	0	28	15	12	5	80	83
entity	438	458	325	0	24	109	89	0	40	20	24	7	74	71
joint-venture	22	22	9	0	2	11	11	146	73	50	50	18	41	41
subtotals	664	677	498	0	35	144	131	146	38	20	21	6	75	74
<entity>	423	433	357	0	10	66	56	0	27	13	15	3	84	82
name	405	417	296	22	37	62	50	2	34	12	15	14	76	74
aliases	177	226	126	9	6	85	36	171	50	20	38	7	74	58
location	118	101	65	7	3	26	43	240	52	36	26	9	58	68
nationality	126	61	50	0	1	10	75	243	63	60	16	2	40	82
type	423	433	351	0	16	66	56	0	28	13	15	4	83	81
entity-rel	494	502	351	0	32	119	111	0	43	22	24	8	71	70
subtotals	1743	1740	1239	38	95	368	371	656	40	21	21	8	72	72
<entity-relati	219	208	174	0	5	29	40	0	30	18	14	3	79	84
entity1	454	469	331	0	24	114	99	0	42	22	24	7	73	70
entity2	37	33	14	0	1	18	22	147	74	59	54	7	38	42
rel-ent2-to-e	219	208	162	0	17	29	40	0	35	18	14	9	74	78
status	218	208	167	0	11	30	40	0	33	18	14	6	77	80
subtotals	928	918	674	0	53	191	201	147	40	22	21	7	73	73
ALL-OBJECTS	3539	3532	2581	38	42	727	734	951	39	21	20	7	73	74
MATCHED-ONLY	2990	3018	2581	38	42	268	240	951	20	8	9	5	87	86
TEXT-FILTERING	145	146	143	-	-	3	2	2	-	1	2	-	99	98
ERROR-RATE-PER-WORD				Wrong 1666	Word-count 1771	Error-rate 0.9407								
F-MEASURES				P&R 73.54	2P&R 73.58	P&2R 73.5								

**JJV Summary Scores
GE/CMU TEXTRACT System (Optional Test Run)**

1. Full-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	150	150	150	0	0	0	0	0	0	0	0	0	100	100
doc-nr	150	150	150	0	0	0	0	0	0	0	0	0	100	100
doc-date	147	148	147	0	0	1	0	2	1	0	1	0	100	99
doc-source	150	150	150	0	0	0	0	0	0	0	0	0	100	100
content	205	188	173	0	1	14	31	3	21	15	7	0	84	92
subtotals	205	188	173	0	1	14	31	3	21	15	7	0	84	92
<tie-up-relati	205	188	173	0	1	14	31	0	21	15	7	0	84	92
status	205	188	165	0	9	14	31	0	25	15	7	5	80	88
entity	440	439	345	0	10	84	85	0	34	19	19	3	78	78
joint-venture	23	17	6	0	1	10	16	148	82	70	59	14	26	35
ownership	32	28	21	0	0	7	11	139	46	34	25	0	66	75
activity	235	191	150	0	6	35	79	0	44	34	18	4	64	78
subtotals	935	863	687	0	26	150	222	287	37	24	17	4	73	80
<entity>	423	410	352	0	8	50	63	0	26	15	12	2	83	86
name	405	398	317	18	18	45	52	2	28	13	11	8	80	82
aliases	176	155	123	9	2	21	42	191	35	24	14	5	72	82
location	118	89	69	6	3	11	40	254	44	34	12	8	61	81
nationality	126	84	66	1	3	14	56	232	52	44	17	5	53	79
type	423	410	349	0	11	50	63	0	26	15	12	3	82	85
entity-rel	495	456	354	0	23	79	118	0	38	24	17	6	72	78
person	75	73	54	0	0	19	21	283	42	28	26	0	72	74
facility	106	99	22	0	15	62	69	259	87	65	63	40	21	22
subtotals	1924	1764	1354	34	75	301	461	1221	38	24	17	6	71	78
<entity-relati	219	188	171	0	2	15	46	0	27	21	8	1	78	91
entity1	454	439	345	0	8	86	101	0	36	22	20	2	76	78
entity2	37	17	6	0	0	11	31	148	88	84	65	0	16	35
rel-ent2-to-e	219	188	153	0	20	15	46	0	35	21	8	12	70	81
status	218	188	162	0	10	16	46	0	31	21	8	6	74	86
subtotals	928	832	666	0	38	128	224	148	37	24	15	5	72	80
<activity>	235	191	162	0	5	24	68	0	37	29	12	3	69	85
industry	275	206	124	0	21	61	130	2	63	47	30	14	45	60
site	616	532	264	4	49	215	299	160	68	48	40	16	43	50
start	85	43	25	0	7	11	53	91	74	62	26	22	29	58
end	6	0	0	0	0	0	6	157	100	100	*	*	0	*
revenue	18	10	5	0	4	1	9	151	74	50	10	44	28	50
subtotals	1000	791	418	4	81	288	497	561	67	50	36	16	42	53
<industry>	255	206	155	0	7	44	93	0	48	36	21	4	61	75
type	253	206	127	0	34	45	92	0	57	36	22	21	50	62
prod-serv	565	528	126	37	151	214	251	8	81	44	40	54	26	27
subtotals	818	734	253	37	185	259	343	8	75	42	35	43	33	37
<facility>	99	99	39	0	8	52	52	0	74	52	52	17	39	39
name	13	11	6	0	0	5	7	29	67	54	45	0	46	54
location	51	56	9	4	10	33	28	9	87	55	59	52	22	20
type	98	99	38	0	9	52	51	0	75	52	52	19	39	38
subtotals	162	166	53	4	19	90	86	38	78	53	54	28	34	33
<person>	75	73	60	0	0	13	15	0	32	20	18	0	80	82
name	75	73	53	5	2	13	15	0	37	20	18	8	74	76
entity	73	73	53	0	5	15	15	0	40	20	20	9	73	73
position	75	73	55	0	5	13	15	0	38	20	18	8	73	75
subtotals	223	219	161	5	12	41	45	0	38	20	19	8	73	75
<ownership>	32	28	22	0	0	6	10	0	42	31	21	0	69	78
time	12	4	0	0	2	2	10	14	100	83	50	100	0	0
owned	31	28	12	0	9	7	10	0	68	32	25	43	39	43
capital	10	6	4	0	0	2	6	16	67	60	33	0	40	67
owner%	80	56	41	0	7	8	32	0	53	40	14	14	51	73
subtotals	133	94	57	0	18	19	58	30	62	44	20	24	43	61
<revenue>	16	10	5	0	5	0	6	0	69	38	0	50	31	50
type	16	10	5	0	5	0	6	0	69	38	0	50	31	50
total	10	5	5	0	0	0	5	0	50	50	0	0	50	100
total-eta	10	3	0	0	3	0	7	0	100	70	0	100	0	0
rate	6	5	0	0	2	3	4	5	100	67	60	100	0	0
rate-eta	15	3	0	0	3	0	12	0	100	80	0	100	0	0
subtotals	57	26	10	0	13	3	34	5	83	60	12	56	18	38
<time>	108	49	29	0	13	7	66	0	75	61	14	31	27	59
after	102	46	29	0	10	7	63	0	73	62	15	26	28	63
before	13	3	0	0	0	3	13	0	100	100	100	*	0	0
during	1	0	0	0	0	0	1	0	100	100	*	*	0	*
on	0	0	0	0	0	0	0	0	*	*	*	*	*	*
subtotals	116	49	29	0	10	10	77	0	77	66	20	26	25	59

ALL-OBJECTS	6501	5726	3861	84	28	1303	2078	2301	50	32	23	12	60	68
MATCHED-ONLY	4939	4939	3861	84	28	606	606	2301	30	12	12	10	79	79
TEXT-FILTERING	145	145	143	-	-	2	2	3	-	1	1	-	99	99
RICHNESS-NORMALIZED-ERROR				Wrong 3901	Req-fills 6471	All-fills 6638		Min-err 0.5877		Max-err 0.6028				
ERROR-RATE-PER-WORD				Wrong 3901	Word-count 1771	Error-rate 2.2027								
F-MEASURES				P&R 63.84	2P&R 66.37	P&2R 61.5								

2. Core-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	150	150	150	0	0	0	0	0	0	0	0	0	100	100
content	205	188	173	0	1	14	31	3	21	15	7	0	84	92
subtotals	205	188	173	0	1	14	31	3	21	15	7	0	84	92
<tie-up-relati	205	188	173	0	1	14	31	0	21	15	7	0	84	92
status	205	188	165	0	9	14	31	0	25	15	7	5	80	88
entity	440	439	345	0	10	84	85	0	34	19	19	3	78	78
joint-venture	23	17	6	0	1	10	16	148	82	70	59	14	26	35
subtotals	668	644	516	0	20	108	132	148	34	20	17	4	77	80
<entity>	423	410	352	0	8	50	63	0	26	15	12	2	83	86
name	405	398	317	18	18	45	52	2	28	13	11	8	80	82
aliases	176	155	123	9	2	21	42	191	35	24	14	5	72	82
location	118	89	69	6	3	11	40	254	44	34	12	8	61	81
nationality	126	84	66	1	3	14	56	232	52	44	17	5	53	79
type	423	410	349	0	11	50	63	0	26	15	12	3	82	85
entity-rel	495	456	354	0	23	79	118	0	38	24	17	6	72	78
subtotals	1743	1592	1278	34	60	220	371	679	34	21	14	6	74	81
<entity-relati	219	188	171	0	2	15	46	0	27	21	8	1	78	91
entity1	454	439	345	0	8	86	101	0	36	22	20	2	76	78
entity2	37	17	6	0	0	11	31	148	88	84	65	0	16	35
rel-ent2-to-e	219	188	153	0	20	15	46	0	35	21	8	12	70	81
status	218	188	162	0	10	16	46	0	31	21	8	6	74	86
subtotals	928	832	666	0	38	128	224	148	37	24	15	5	72	80
ALL-OBJECTS	3544	3256	2633	34	19	470	758	978	34	21	14	5	75	81
MATCHED-ONLY	2954	2943	2633	34	19	190	201	978	16	7	6	4	90	90
TEXT-FILTERING	145	145	143	-	-	2	2	3	-	1	1	-	99	99
ERROR-RATE-PER-WORD				Wrong 1364	Word-count 1771	Error-rate 0.7702								
F-MEASURES				P&R 77.94	2P&R 79.97	P&2R 76.01								

JJV Summary Scores
NMSU/Brandeis Diderot System

1. Full-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	150	150	150	0	0	0	0	0	0	0	0	0	100	100
doc-nr	150	150	150	0	0	0	0	0	0	0	0	0	100	100
doc-date	147	147	147	0	0	0	0	3	0	0	0	0	100	100
doc-source	150	150	150	0	0	0	0	0	0	0	0	0	100	100
content	203	219	159	0	5	55	39	3	38	19	25	3	78	73
subtotals	203	219	159	0	5	55	39	3	38	19	25	3	78	73
<tie-up-relati	203	218	159	0	5	54	39	0	38	19	25	3	78	73
status	203	218	153	0	11	54	39	0	40	19	25	7	75	70
entity	436	382	281	0	26	75	129	0	45	30	20	8	64	74
joint-venture	22	15	2	0	3	10	17	143	94	77	67	60	9	13
ownership	31	0	0	0	0	0	31	136	100	100	*	*	0	*
activity	235	134	88	0	13	33	134	10	67	57	25	13	37	66
subtotals	927	749	524	0	53	172	350	289	52	38	23	9	56	70
<entity>	423	345	297	0	5	43	121	0	36	29	12	2	70	86
name	405	341	239	23	35	44	108	0	44	27	13	16	62	73
aliases	174	73	57	6	2	8	109	161	67	63	11	8	34	82
location	118	98	50	3	7	38	58	185	67	49	39	14	44	52
nationality	125	44	35	0	2	7	88	206	73	70	16	5	28	80
type	423	345	292	0	10	43	121	0	37	29	12	3	69	85
entity-rel	494	405	290	0	23	92	181	0	50	37	23	7	59	72
person	75	43	37	0	0	6	38	243	54	51	14	0	49	86
facility	106	4	0	0	2	2	104	248	100	98	50	100	0	0
subtotals	1920	1353	1000	32	81	240	807	1043	53	42	18	9	53	75
<entity-relati	219	206	154	0	6	46	59	0	42	27	22	4	70	75
entity1	454	389	283	0	23	83	148	0	47	32	21	8	62	73
entity2	37	6	2	0	1	3	34	142	95	92	50	33	5	33
rel-ent2-to-e	219	206	144	0	16	46	59	0	46	27	22	10	66	70
status	218	206	145	0	14	47	59	0	45	27	23	9	66	70
subtotals	928	807	574	0	54	179	300	142	48	32	22	8	62	71
<activity>	235	134	116	0	2	16	117	0	54	50	12	2	49	86
industry	274	198	87	0	38	73	149	0	75	54	37	30	32	44
site	617	356	164	4	46	142	403	81	78	65	40	22	27	47
start	84	7	4	0	0	3	80	69	95	95	43	0	5	57
end	6	0	0	0	0	0	6	113	100	100	*	*	0	*
revenue	18	0	0	0	0	0	18	107	100	100	*	*	0	*
subtotals	999	561	255	4	84	218	656	370	79	66	39	25	26	46
<industry>	255	198	110	0	40	48	105	0	64	41	24	27	43	56
type	253	198	102	0	47	49	104	0	66	41	25	32	40	52
prod-serv	569	58	11	1	35	11	522	0	98	92	19	76	2	20
subtotals	822	256	113	1	82	60	626	0	87	76	23	42	14	44
<facility>	99	8	4	0	2	2	93	0	96	94	25	33	4	50
name	9	8	0	0	0	8	9	0	100	100	100	*	0	0
location	51	2	0	0	0	2	51	2	100	100	100	*	0	0
type	98	8	4	0	2	2	92	0	96	94	25	33	4	50
subtotals	158	18	4	0	2	12	152	2	98	96	67	33	2	22
<person>	75	43	40	0	0	3	35	0	49	47	7	0	53	93
name	75	38	33	0	2	3	40	0	58	53	8	6	44	87
entity	73	43	37	0	3	3	33	0	51	45	7	8	51	86
position	75	42	34	0	5	3	36	0	56	48	7	13	45	81
subtotals	223	123	104	0	10	9	109	0	55	49	7	9	47	84
<ownership>	31	0	0	0	0	0	31	0	100	100	*	*	0	*
time	12	0	0	0	0	0	12	0	100	100	*	*	0	*
owned	30	0	0	0	0	0	30	0	100	100	*	*	0	*
capital	9	0	0	0	0	0	9	0	100	100	*	*	0	*
owner%	76	0	0	0	0	0	76	0	100	100	*	*	0	*
subtotals	127	0	0	0	0	0	127	0	100	100	*	*	0	*
<revenue>	16	0	0	0	0	0	16	0	100	100	*	*	0	*
type	16	0	0	0	0	0	16	0	100	100	*	*	0	*
total	10	0	0	0	0	0	10	0	100	100	*	*	0	*
total-eta	10	0	0	0	0	0	10	0	100	100	*	*	0	*
rate	6	0	0	0	0	0	6	0	100	100	*	*	0	*
rate-eta	15	0	0	0	0	0	15	0	100	100	*	*	0	*
subtotals	57	0	0	0	0	0	57	0	100	100	*	*	0	*
<time>	107	7	4	0	2	1	101	0	96	94	14	33	4	57
after	101	5	4	0	1	0	96	0	96	95	0	20	4	80
before	13	2	0	0	0	2	13	0	100	100	100	*	0	0
during	1	0	0	0	0	0	1	0	100	100	*	*	0	*
on	0	0	0	0	0	0	0	0	*	*	*	*	*	*
subtotals	115	7	4	0	1	2	110	0	96	96	28	20	3	57

ALL-OBJECTS	6479	4093	2737	37	43	947	3333	1849	63	51	23	12	42	67
MATCHED-ONLY	3968	3364	2737	37	43	315	919	1849	36	23	9	10	69	82
TEXT-FILTERING	145	130	128	-	-	2	17	3	-	12	2	-	88	98
RICHNESS-NORMALIZED-ERROR				Wrong 4670.5	Req-fills 6454	All-fills 6619			Min-err 0.7056	Max-err 0.7237				
ERROR-RATE-PER-WORD				Wrong 4670.5	Word-count 1771	Error-rate 2.6372								
F-MEASURES				P&R 52.13	2P&R 60.29	P&2R 45.91								

2. Core-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	150	150	150	0	0	0	0	0	0	0	0	0	100	100
content	203	219	159	0	5	55	39	3	38	19	25	3	78	73
subtotals	203	219	159	0	5	55	39	3	38	19	25	3	78	73
<tie-up-relati	203	218	159	0	5	54	39	0	38	19	25	3	78	73
status	203	218	153	0	11	54	39	0	40	19	25	7	75	70
entity	436	382	281	0	26	75	129	0	45	30	20	8	64	74
joint-venture	22	15	2	0	3	10	17	143	94	77	67	60	9	13
subtotals	661	615	436	0	40	139	185	143	46	28	23	8	66	71
<entity>	423	345	297	0	5	43	121	0	36	29	12	2	70	86
name	405	341	239	23	35	44	108	0	44	27	13	16	62	73
aliases	175	73	58	6	2	7	109	161	66	62	10	8	35	84
location	118	98	50	3	7	38	58	185	67	49	39	14	44	52
nationality	125	44	35	0	2	7	88	206	73	70	16	5	28	80
type	423	345	292	0	10	43	121	0	37	29	12	3	69	85
entity-rel	494	405	290	0	23	92	181	0	50	37	23	7	59	72
subtotals	1740	1306	964	32	79	231	665	552	50	38	18	9	56	75
<entity-relati	219	206	154	0	6	46	59	0	42	27	22	4	70	75
entity1	454	389	283	0	23	83	148	0	47	32	21	8	62	73
entity2	37	6	2	0	1	3	34	142	95	92	50	33	5	33
rel-ent2-to-e	219	206	144	0	16	46	59	0	46	27	22	10	66	70
status	218	206	145	0	14	47	59	0	45	27	23	9	66	70
subtotals	928	807	574	0	54	179	300	142	48	32	22	8	62	71
ALL-OBJECTS	3532	2947	2133	32	38	604	1189	840	48	34	20	8	61	73
MATCHED-ONLY	2599	2447	2133	32	38	150	302	840	22	12	6	6	83	88
TEXT-FILTERING	145	130	128	-	-	2	17	3	-	12	2	-	88	98
ERROR-RATE-PER-WORD				Wrong 1987	Word-count 1771	Error-rate 1.122								
F-MEASURES				P&R 66.34	2P&R 70.14	P&2R 62.93								

JJV Summary Scores
SRA SOLOMON System

1. Full-Template Test

SLOT	PCS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	150	149	149	0	0	0	1	0	1	1	0	0	99	100
doc-nr	150	149	149	0	0	0	1	0	1	1	0	0	99	100
doc-date	147	146	146	0	0	0	1	3	1	1	0	0	99	100
doc-source	150	149	149	0	0	0	1	0	1	1	0	0	99	100
content	204	365	174	0	12	179	18	3	54	9	49	6	85	48
subtotals	204	365	174	0	12	179	18	3	54	9	49	6	85	48
<tie-up-relati	204	367	176	0	11	180	17	0	54	8	49	6	86	48
status	204	367	169	0	18	180	17	0	56	8	49	10	83	46
entity	438	398	210	0	39	149	189	0	64	43	37	16	48	53
joint-venture	23	39	8	0	5	26	10	153	84	43	67	38	35	20
ownership	31	0	0	0	0	0	31	149	100	100	*	*	0	*
activity	234	268	95	0	26	147	113	9	75	48	55	21	40	35
subtotals	930	1072	482	0	88	502	360	311	66	39	47	15	52	45
<entity>	423	421	292	0	18	111	113	0	45	27	26	6	69	69
name	405	329	204	24	43	58	134	6	53	33	18	20	53	66
aliases	174	35	27	0	2	6	145	159	85	83	17	7	16	77
location	118	75	38	1	4	32	75	205	74	64	43	10	33	51
nationality	125	92	48	0	2	42	75	191	71	60	46	4	38	52
type	423	420	286	0	24	110	113	0	46	27	26	8	68	68
entity-rel	494	435	238	0	71	126	185	0	62	37	29	23	48	55
person	75	40	25	0	0	15	50	241	72	67	38	0	33	62
facility	106	1	1	0	0	0	105	251	99	99	0	0	1	100
subtotals	1920	1427	867	25	146	389	882	1053	62	46	27	15	46	62
<entity-relati	219	294	168	0	16	110	35	0	49	16	37	9	77	57
entity1	454	394	219	0	35	140	200	0	63	44	36	14	48	56
entity2	37	40	8	0	7	25	22	143	87	59	62	47	22	20
rel-ent2-to-e	219	294	153	0	31	110	35	0	53	16	37	17	70	52
status	218	294	161	0	22	111	35	0	51	16	38	12	74	55
subtotals	928	1022	541	0	95	386	292	143	59	31	38	15	58	53
<activity>	235	155	117	0	16	22	102	0	54	43	14	12	50	75
industry	274	155	82	0	51	22	141	0	72	51	14	38	30	53
site	616	258	112	2	78	66	424	103	83	69	26	41	18	44
start	84	0	0	0	0	0	84	78	100	100	*	*	0	*
end	6	0	0	0	0	0	6	112	100	100	*	*	0	*
revenue	18	0	0	0	0	0	18	107	100	100	*	*	0	*
subtotals	998	413	194	2	129	88	673	400	82	67	21	40	20	47
<industry>	254	155	97	0	40	18	117	0	64	46	12	29	38	62
type	252	155	87	0	49	19	116	0	68	46	12	36	34	56
prod-serv	567	76	14	7	48	7	498	0	97	88	9	75	3	23
subtotals	819	231	101	7	97	26	614	0	88	75	11	49	13	45
<facility>	99	5	3	0	1	1	95	0	97	96	20	25	3	60
name	9	5	0	0	0	5	9	0	100	100	100	*	0	0
location	51	1	0	0	1	0	50	1	100	98	0	100	0	0
type	98	5	3	0	1	1	94	0	97	96	20	25	3	60
subtotals	158	11	3	0	2	6	153	1	98	97	54	40	2	27
<person>	75	37	28	0	3	6	44	0	65	59	16	10	37	76
name	75	30	15	4	8	3	48	0	78	64	10	37	23	57
entity	73	38	24	0	2	12	47	0	72	64	32	8	33	63
position	75	37	23	0	8	6	44	0	72	59	16	26	31	62
subtotals	223	105	62	4	18	21	139	0	74	62	20	24	29	61
<ownership>	31	0	0	0	0	0	31	0	100	100	*	*	0	*
time	12	0	0	0	0	0	12	0	100	100	*	*	0	*
owned	30	0	0	0	0	0	30	0	100	100	*	*	0	*
capital	9	0	0	0	0	0	9	0	100	100	*	*	0	*
owner%	76	0	0	0	0	0	76	0	100	100	*	*	0	*
subtotals	127	0	0	0	0	0	127	0	100	100	*	*	0	*
<revenue>	16	0	0	0	0	0	16	0	100	100	*	*	0	*
type	16	0	0	0	0	0	16	0	100	100	*	*	0	*
total	10	0	0	0	0	0	10	0	100	100	*	*	0	*
total-eta	10	0	0	0	0	0	10	0	100	100	*	*	0	*
rate	6	0	0	0	0	0	6	0	100	100	*	*	0	*
rate-eta	15	0	0	0	0	0	15	0	100	100	*	*	0	*
subtotals	57	0	0	0	0	0	57	0	100	100	*	*	0	*
<time>	107	0	0	0	0	0	107	0	100	100	*	*	0	*
after	101	0	0	0	0	0	101	0	100	100	*	*	0	*
before	13	0	0	0	0	0	13	0	100	100	*	*	0	*
during	1	0	0	0	0	0	1	0	100	100	*	*	0	*
on	0	0	0	0	0	0	0	0	*	*	*	*	*	*
subtotals	115	0	0	0	0	0	115	0	100	100	*	*	0	*

ALL-OBJECTS	6479	4646	2424	38	43	1597	3430	1911	70	53	34	20	38	52
MATCHED-ONLY	3982	3139	2424	38	43	294	1137	1911	43	28	9	14	61	78
TEXT-FILTERING	145	139	137	-	-	2	8	3	-	6	1	-	94	98
RICHNESS-NORMALIZED-ERROR				Wrong 5633	Req-fills 6456	All-fills 6622			Min-err 0.8506		Max-err 0.8725			
ERROR-RATE-PER-WORD				Wrong 5633	Word-count 1771	Error-rate 3.1807								
F-MEASURES				P&R 43.92	2P&R 48.74	P&2R 39.97								

2. Core-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	150	149	149	0	0	0	1	0	1	1	0	0	99	100
content	204	365	174	0	12	179	18	3	54	9	49	6	85	48
subtotals	204	365	174	0	12	179	18	3	54	9	49	6	85	48
<tie-up-relati	204	367	176	0	11	180	17	0	54	8	49	6	86	48
status	204	367	168	0	19	180	17	0	56	8	49	10	82	46
entity	438	398	211	0	39	148	188	0	64	43	37	16	48	53
joint-venture	23	39	8	0	5	26	10	153	84	43	67	38	35	20
subtotals	665	804	387	0	63	354	215	153	62	32	44	14	58	48
<entity>	423	421	292	0	18	111	113	0	45	27	26	6	69	69
name	405	329	204	24	43	58	134	6	53	33	18	20	53	66
aliases	175	35	27	0	1	7	147	159	85	84	20	4	15	77
location	118	75	38	1	4	32	75	206	74	64	43	10	33	51
nationality	125	92	48	0	3	41	74	191	71	59	44	6	38	52
type	423	420	286	0	24	110	113	0	46	27	26	8	68	68
entity-rel	494	435	238	0	71	126	185	0	62	37	29	23	48	55
subtotals	1740	1386	841	25	146	374	728	562	60	42	27	16	49	62
<entity-relati	219	294	169	0	15	110	35	0	49	16	37	8	77	57
entity1	454	394	221	0	33	140	200	0	63	44	36	13	49	56
entity2	37	40	8	0	7	25	22	144	87	59	62	47	22	20
rel-ent2-to-e	219	294	154	0	30	110	35	0	53	16	37	16	70	52
status	218	294	161	0	22	111	35	0	51	16	38	12	74	55
subtotals	928	1022	544	0	92	386	292	144	58	31	38	14	59	53
ALL-OBJECTS	3537	3577	1946	25	37	1293	1253	862	59	35	36	14	55	55
MATCHED-ONLY	2717	2406	1946	25	37	234	545	862	34	20	10	10	72	81
TEXT-FILTERING	145	139	137	-	-	2	8	3	-	6	1	-	94	98
ERROR-RATE-PER-WORD				Wrong 2871.5	Word-count 1771	Error-rate 1.6214								
F-MEASURES				P&R 55.06	2P&R 54.88	P&2R 55.25								

**JJV Summary Scores
SRI FASTUS System**

1. Full-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	150	150	150	0	0	0	0	0	0	0	0	0	100	100
doc-nr	150	150	150	0	0	0	0	0	0	0	0	0	100	100
doc-date	149	150	147	0	2	1	0	0	2	0	1	1	99	98
doc-source	150	0	0	0	0	0	150	0	100	100	*	*	0	*
content	202	152	136	0	3	13	63	4	37	31	8	2	67	89
subtotals	202	152	136	0	3	13	63	4	37	31	8	2	67	89
<tie-up-relati	202	152	136	0	3	13	63	0	37	31	8	2	67	89
status	202	124	111	0	6	7	85	0	47	42	6	5	55	90
entity	434	426	250	0	28	148	156	0	57	36	35	10	58	59
joint-venture	22	0	0	0	0	0	22	129	100	100	*	*	0	*
ownership	31	1	1	0	0	0	30	115	97	97	0	0	3	100
activity	232	88	71	0	7	10	154	13	71	66	11	9	31	81
subtotals	921	639	433	0	41	165	447	257	60	48	26	9	47	68
<entity>	423	373	270	0	12	91	141	0	47	33	24	4	64	72
name	405	359	156	32	78	93	139	0	65	34	26	35	42	48
aliases	175	142	44	10	9	79	112	133	81	64	56	22	28	34
location	118	106	40	14	8	44	56	172	71	47	42	24	40	44
nationality	126	91	33	0	3	55	90	152	82	71	60	8	26	36
type	423	373	266	0	16	91	141	0	48	33	24	6	63	71
entity-rel	494	427	260	0	18	149	216	0	60	44	35	6	53	61
person	75	16	16	0	0	0	59	218	79	79	0	0	21	100
facility	106	0	0	0	0	0	106	230	100	100	*	*	0	*
subtotals	1922	1514	815	56	132	511	919	905	65	48	34	16	44	56
<entity-relati	219	152	134	0	4	14	81	0	42	37	9	3	61	88
entity1	454	426	255	0	21	150	178	0	58	39	35	8	56	60
entity2	37	1	0	0	0	1	37	126	100	100	100	*	0	0
rel-ent2-to-e	219	152	128	0	10	14	81	0	45	37	9	7	58	84
status	218	152	128	0	9	15	81	0	45	37	10	6	59	84
subtotals	928	731	511	0	40	180	377	126	54	41	25	7	55	70
<activity>	232	88	78	0	3	7	151	0	67	65	8	4	34	89
industry	271	122	73	0	14	35	184	0	76	68	29	16	27	60
site	612	88	54	0	27	7	531	54	91	87	8	33	9	61
start	84	0	0	0	0	0	84	57	100	100	*	*	0	*
end	6	0	0	0	0	0	6	76	100	100	*	*	0	*
revenue	18	0	0	0	0	0	18	75	100	100	*	*	0	*
subtotals	991	210	127	0	41	42	823	262	88	83	20	24	13	60
<industry>	252	118	91	0	10	17	151	0	66	60	14	10	36	77
type	250	118	70	0	30	18	150	0	74	60	15	30	28	59
prod-serv	555	161	36	29	66	30	424	10	91	76	19	61	9	31
subtotals	805	279	106	29	96	48	574	10	86	71	17	48	15	43
<facility>	99	0	0	0	0	0	99	0	100	100	*	*	0	*
name	9	0	0	0	0	0	9	0	100	100	*	*	0	*
location	51	0	0	0	0	0	51	0	100	100	*	*	0	*
type	98	0	0	0	0	0	98	0	100	100	*	*	0	*
subtotals	158	0	0	0	0	0	158	0	100	100	*	*	0	*
<person>	75	16	16	0	0	0	59	0	79	79	0	0	21	100
name	75	16	15	1	0	0	59	0	79	79	0	3	21	97
entity	73	15	15	0	0	0	58	0	79	79	0	0	20	100
position	75	16	14	0	2	0	59	0	81	79	0	12	19	88
subtotals	223	47	44	1	2	0	176	0	80	79	0	5	20	95
<ownership>	31	1	1	0	0	0	30	0	97	97	0	0	3	100
time	12	0	0	0	0	0	12	0	100	100	*	*	0	*
owned	30	1	0	0	0	1	30	0	100	100	100	*	0	0
capital	9	0	0	0	0	0	9	0	100	100	*	*	0	*
owner%	76	2	1	0	1	0	74	0	99	97	0	50	1	50
subtotals	127	3	1	0	1	1	125	0	99	98	33	50	1	33
<revenue>	16	0	0	0	0	0	16	0	100	100	*	*	0	*
type	16	0	0	0	0	0	16	0	100	100	*	*	0	*
total	10	0	0	0	0	0	10	0	100	100	*	*	0	*
total-eta	10	0	0	0	0	0	10	0	100	100	*	*	0	*
rate	6	0	0	0	0	0	6	0	100	100	*	*	0	*
rate-eta	15	0	0	0	0	0	15	0	100	100	*	*	0	*
subtotals	57	0	0	0	0	0	57	0	100	100	*	*	0	*
<time>	107	0	0	0	0	0	107	0	100	100	*	*	0	*
after	101	0	0	0	0	0	101	0	100	100	*	*	0	*
before	13	0	0	0	0	0	13	0	100	100	*	*	0	*
during	1	0	0	0	0	0	1	0	100	100	*	*	0	*
on	0	0	0	0	0	0	0	0	*	*	*	*	*	*
subtotals	115	0	0	0	0	0	115	0	100	100	*	*	0	*

ALL-OBJECTS	6449	3575	2173	86	89	960	3834	1564	70	59	27	15	34	62
MATCHED-ONLY	3253	2961	2173	86	89	421	713	1564	40	22	14	13	68	75
TEXT-FILTERING	145	118	117	-	-	1	28	4	-	19	1	-	81	99
RICHNESS-NORMALIZED-ERROR				Wrong 5193	Req-fills 6436		All-fills 6600		Min-err 0.7868		Max-err 0.8069			
ERROR-RATE-PER-WORD				Wrong 5193	Word-count 1771		Error-rate 2.9322							
F-MEASURES				P&R 44.21	2P&R 53.4		P&2R 37.72							

2. Core-Template Test

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	150	150	150	0	0	0	0	0	0	0	0	0	100	100
content	202	152	136	0	3	13	63	4	37	31	8	2	67	89
subtotals	202	152	136	0	3	13	63	4	37	31	8	2	67	89
<tie-up-relati	202	152	136	0	3	13	63	0	37	31	8	2	67	89
status	202	124	111	0	6	7	85	0	47	42	6	5	55	90
entity	434	426	250	0	28	148	156	0	57	36	35	10	58	59
joint-venture	22	0	0	0	0	0	22	129	100	100	*	*	0	*
subtotals	658	550	361	0	34	155	263	129	56	40	28	9	55	66
<entity>	423	373	270	0	12	91	141	0	47	33	24	4	64	72
name	405	359	155	5	106	93	139	0	68	34	26	41	39	44
aliases	176	142	45	1	17	79	113	133	82	64	56	28	26	32
location	118	106	35	12	16	43	55	172	74	47	40	35	35	39
nationality	126	91	0	0	37	54	89	152	100	71	59	100	0	0
type	423	373	266	0	16	91	141	0	48	33	24	6	63	71
entity-rel	494	427	260	0	18	149	216	0	60	44	35	6	53	61
subtotals	1742	1498	761	18	210	509	753	457	66	43	34	22	44	51
<entity-relati	219	152	134	0	4	14	81	0	42	37	9	3	61	88
entity1	454	426	255	0	21	150	178	0	58	39	35	8	56	60
entity2	37	1	0	0	0	1	37	126	100	100	100	*	0	0
rel-ent2-to-e	219	152	128	0	10	14	81	0	45	37	9	7	58	84
status	218	152	128	0	9	15	81	0	45	37	10	6	59	84
subtotals	928	731	511	0	40	180	377	126	54	41	25	7	55	70
ALL-OBJECTS	3530	2931	1769	18	166	857	1456	716	59	41	29	14	50	61
MATCHED-ONLY	2304	2406	1769	18	166	381	279	716	34	12	16	12	77	74
TEXT-FILTERING	145	118	117	-	-	1	28	4	-	19	1	-	81	99
ERROR-RATE-PER-WORD				Wrong 2609	Word-count 1771		Error-rate 1.4732							
F-MEASURES				P&R 55.04	2P&R 58.28		P&2R 52.14							

**EME Summary Scores
BBN PLUM System**

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	300	300	300	0	0	0	0	0	0	0	0	0	100	100
content	609	590	436	0	7	147	166	39	42	27	25	2	72	74
subtotals	609	590	436	0	7	147	166	39	42	27	25	2	72	74
<entity>	554	494	326	0	65	103	163	0	50	29	21	17	59	66
name	499	494	285	26	63	120	125	0	52	25	24	20	60	60
location	231	59	26	11	6	16	188	216	87	81	27	27	14	53
nationality	76	55	20	2	7	26	47	270	79	62	47	28	28	38
type	554	494	325	0	66	103	163	0	50	29	21	17	59	66
subtotals	1360	1102	656	39	142	265	523	486	58	38	24	19	50	61
<microelectron	610	590	437	0	7	146	166	0	42	27	25	2	72	74
process	610	590	373	0	71	146	166	0	51	27	25	16	61	63
developer	288	107	30	0	8	69	250	271	92	87	64	21	10	28
manufacturer	239	430	119	0	57	254	63	191	76	26	59	32	50	28
distributor	233	106	48	0	18	40	167	242	82	72	38	27	21	45
purchaser	425	236	87	0	43	106	295	158	84	69	45	33	20	37
subtotals	1795	1469	657	0	197	615	941	862	73	52	42	23	37	45
<layering>	145	127	94	0	3	30	48	0	46	33	24	3	65	74
type	145	127	89	1	7	30	48	0	49	33	24	8	62	70
film	85	53	30	0	0	23	55	55	72	65	43	0	35	57
temperature	4	2	0	0	1	1	3	91	100	75	50	100	0	0
device	62	26	8	0	3	15	51	61	90	82	58	27	13	31
equipment	98	74	33	0	22	19	43	16	72	44	26	40	34	44
subtotals	394	282	160	1	33	88	200	223	67	51	31	17	41	57
<lithography>	213	220	153	0	14	53	46	0	42	22	24	8	72	70
type	213	220	122	5	40	53	46	0	53	22	24	25	58	56
granularity	45	7	0	0	1	6	44	118	100	98	86	100	0	0
device	92	99	46	0	6	47	40	80	67	43	47	12	50	46
equipment	177	225	75	0	55	95	47	12	72	26	42	42	42	33
subtotals	527	551	243	5	102	201	177	210	66	34	36	30	46	44
<etching>	60	73	42	0	0	31	18	0	54	30	42	0	70	58
type	60	73	37	0	5	31	18	0	59	30	42	12	62	51
etchant	6	3	0	0	0	3	6	37	100	100	100	*	0	0
film	27	22	6	2	0	14	19	25	83	70	64	12	26	32
granularity	11	14	1	0	2	11	8	32	95	73	78	67	9	7
temperature	1	1	0	0	0	1	1	41	100	100	100	*	0	0
device	40	26	12	0	3	11	25	20	76	62	42	20	30	46
equipment	46	43	19	0	6	18	21	9	70	46	42	24	41	44
subtotals	191	182	75	2	16	89	98	164	73	51	49	18	40	42
<packaging>	193	170	120	0	8	42	65	0	49	34	25	6	62	70
type	193	170	100	5	23	42	65	0	56	34	25	20	53	60
pitch	14	15	0	0	3	12	11	103	100	78	80	100	0	0
material	92	100	44	0	3	53	45	51	70	49	53	6	48	44
p-1-count	53	52	32	0	2	18	19	82	55	36	35	6	60	62
units	58	33	20	2	2	9	34	84	69	59	27	12	36	64
bonding	33	45	16	0	4	25	13	94	72	39	56	20	48	36
device	173	124	46	0	24	54	103	11	80	60	44	34	26	37
equipment	0	4	0	0	0	4	0	116	100	*	100	*	*	0
subtotals	616	543	258	7	61	217	290	541	69	47	40	20	42	48
<device>	194	187	105	0	19	63	70	0	59	36	34	15	54	56
function	194	187	101	3	20	63	70	0	60	36	34	17	53	55
size	112	98	48	0	5	45	59	53	69	53	46	9	43	49
device-speed	25	19	6	0	2	11	17	91	83	68	58	25	24	32
subtotals	331	304	155	3	27	119	146	144	65	44	39	15	47	51
<equipment>	350	199	160	0	16	23	174	0	57	50	12	9	46	80
name	132	56	18	5	14	19	95	79	86	72	34	44	16	37
manufacturer	268	141	58	0	50	33	160	17	81	60	23	46	22	41
modules	45	11	3	0	0	8	42	140	94	93	73	0	7	27
type	350	199	145	3	28	23	174	0	61	50	12	17	42	74
throughput	17	1	0	0	0	1	17	152	100	100	100	*	0	0
status	373	199	151	0	25	23	197	0	62	53	12	14	40	76
wafer-size	49	7	5	0	0	2	44	146	90	90	28	0	10	71
subtotals	1234	614	380	8	117	109	729	534	71	59	18	24	31	62
ALL-OBJECTS	7057	5637	3020	65	33	1850	3270	3203	66	46	33	19	43	54
MATCHED-ONLY	4686	4292	3020	65	33	739	1133	3203	44	24	17	14	65	71
TEXT-FILTERING	220	244	203	-	-	41	17	39	-	8	17	-	92	83
RICHNESS-NORMALIZED-ERROR				Wrong		Req-fills		All-fills		Min-err		Max-err		
				5854.5		7485		7822		0.7485		0.7822		
ERROR-RATE-PER-WORD				Wrong		Word-count		Error-rate						
				5854.5		125680		0.0466						
F-MEASURES				P&R		2P&R		P&2R						
				48.09		51.55		45.07						

EME Summary Scores
GE/CMU Shogun System

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	300	300	300	0	0	0	0	0	0	0	0	0	100	100
content	608	633	440	0	4	189	164	32	45	27	30	1	72	70
subtotals	608	633	440	0	4	189	164	32	45	27	30	1	72	70
<entity>	553	560	320	0	90	150	143	0	54	26	27	22	58	57
name	497	553	284	22	84	163	107	0	55	22	29	24	59	53
location	231	179	57	11	19	92	144	177	81	62	51	28	27	35
nationality	78	11	4	2	0	5	72	285	94	92	45	17	6	45
type	553	560	320	0	90	150	143	0	54	26	27	22	58	57
subtotals	1359	1303	665	35	193	410	466	462	61	34	31	24	50	52
<microelectron	609	633	441	0	3	189	165	0	45	27	30	1	72	70
process	609	633	372	0	72	189	165	0	53	27	30	16	61	59
developer	294	201	56	0	25	120	213	268	86	72	60	31	19	28
manufacturer	240	476	120	0	55	301	65	148	78	27	63	31	50	25
distributor	236	359	96	0	28	235	112	187	80	47	65	22	41	27
purchaser	426	461	124	0	78	259	224	131	82	52	56	39	29	27
subtotals	1805	2130	768	0	258	1104	779	734	74	43	52	25	42	36
<layering>	145	166	109	0	4	53	32	0	45	22	32	4	75	66
type	145	166	104	1	8	53	32	0	47	22	32	8	72	63
film	84	93	25	5	8	55	46	49	80	55	59	28	33	30
temperature	4	6	2	0	0	4	2	105	75	50	67	0	50	33
device	63	56	27	0	3	26	33	69	70	52	46	10	43	48
equipment	98	77	49	0	15	13	34	25	56	35	17	23	50	64
subtotals	394	398	207	6	34	151	147	248	61	37	38	15	53	53
<lithography>	212	203	147	0	7	49	58	0	44	27	24	4	69	72
type	212	203	109	4	41	49	58	0	57	27	24	28	52	55
granularity	45	80	25	2	2	51	16	97	73	36	64	10	58	32
device	92	183	50	0	11	122	31	50	77	34	67	18	54	27
equipment	176	172	101	0	24	47	51	11	55	29	27	19	57	59
subtotals	525	638	285	6	78	269	156	158	64	30	42	22	55	45
<etching>	60	58	39	0	0	19	21	0	51	35	33	0	65	67
type	60	58	36	0	3	19	21	0	54	35	33	8	60	62
etchant	6	2	1	0	0	1	5	36	86	83	50	0	17	50
film	27	28	8	2	0	18	17	24	80	63	64	10	33	32
granularity	11	16	3	0	1	12	7	33	87	64	75	25	27	19
temperature	1	2	0	0	1	1	0	37	100	0	50	100	0	0
device	40	31	14	0	1	16	25	19	75	62	52	7	35	45
equipment	45	30	22	0	3	5	20	7	56	44	17	12	49	73
subtotals	190	167	84	2	9	72	95	156	68	50	43	10	45	51
<packaging>	193	206	120	0	10	76	63	0	55	33	37	8	62	58
type	193	206	92	9	29	76	63	0	64	33	37	26	50	47
pitch	14	7	2	0	2	3	10	113	88	71	43	50	14	28
material	92	58	35	0	2	21	55	63	69	60	36	5	38	60
p-1-count	53	62	37	0	0	25	16	82	52	30	40	0	70	60
units	57	42	19	2	1	20	35	82	74	61	48	9	35	48
bonding	33	29	17	0	1	11	15	99	61	45	38	6	52	59
device	173	173	61	0	26	86	86	18	76	50	50	30	35	35
equipment	0	0	0	0	0	0	0	120	*	*	*	*	*	*
subtotals	615	577	263	11	61	242	280	577	69	46	42	20	44	46
<device>	193	240	127	0	23	90	43	0	55	22	38	15	66	53
function	193	240	122	5	23	90	43	0	56	22	38	17	64	52
size	112	96	62	0	3	31	47	66	57	42	32	5	55	64
device-speed	25	162	19	0	1	142	5	85	89	20	88	5	76	12
subtotals	330	498	203	5	27	263	95	151	65	29	53	12	62	41
<equipment>	352	297	228	0	14	55	110	0	44	31	18	6	65	77
name	133	153	48	15	14	76	56	94	73	42	50	28	42	36
manufacturer	273	286	119	0	71	96	83	6	68	30	34	37	44	42
modules	45	32	8	0	2	22	35	199	88	78	69	20	18	25
type	352	297	198	19	25	55	110	0	49	31	18	14	59	70
throughput	17	28	7	0	5	16	5	202	79	29	57	42	41	25
status	375	297	211	0	31	55	133	0	51	35	18	13	56	71
wafer-size	51	41	22	0	0	19	29	200	68	57	46	0	43	54
subtotals	1246	1134	613	34	148	339	451	701	60	36	30	21	50	56
ALL-OBJECTS	7072	7478	3528	99	26	3039	2633	3219	65	37	41	19	50	48
MATCHED-ONLY	4993	5303	3528	99	26	1136	826	3219	42	16	21	14	72	67
TEXT-FILTERING	219	257	208	-	-	49	11	32	-	5	19	-	95	81
RICHNESS-NORMALIZED-ERROR				Wrong		Req-fills		All-fills		Min-err		Max-err		
				6533.5		7489		7821		0.8354		0.8724		
ERROR-RATE-PER-WORD				Wrong		Word-count		Error-rate						
				6533.5		125680		0.052						
F-MEASURES				P&R		2P&R		P&2R						
				49.18		48.37		50.01						

EME Summary Scores
LSI DBG System

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	300	292	292	0	0	0	8	0	3	3	0	0	97	100
content	608	554	365	0	9	180	234	22	54	38	32	2	60	66
subtotals	608	554	365	0	9	180	234	22	54	38	32	2	60	66
<entity>	551	559	325	0	63	171	163	0	55	30	30	16	59	58
name	497	559	274	38	49	198	136	0	58	27	35	19	59	52
location	230	60	20	4	7	29	199	222	92	86	48	29	10	37
nationality	76	14	8	1	2	3	65	282	89	86	21	23	11	61
type	551	559	325	0	63	171	163	0	55	30	30	16	59	58
subtotals	1354	1192	627	43	121	401	563	504	63	42	34	18	48	54
<microelectron	608	553	365	0	8	180	235	0	54	39	32	2	60	66
process	608	553	314	0	59	180	235	0	60	39	32	16	52	57
developer	289	1	1	0	0	0	288	252	100	100	0	0	0	100
manufacturer	233	37	30	0	3	4	200	208	87	86	11	9	13	81
distributor	232	37	30	0	3	4	199	217	87	86	11	9	13	81
purchaser	418	0	0	0	0	0	418	160	100	100	*	*	0	*
subtotals	1780	628	375	0	65	188	1340	837	81	75	30	15	21	60
<layering>	145	136	80	0	5	51	60	0	59	41	38	6	55	59
type	145	129	73	7	5	44	60	0	60	41	34	10	53	59
film	83	39	11	0	7	21	65	43	89	78	54	39	13	28
temperature	4	0	0	0	0	0	4	76	100	100	*	*	0	*
device	62	9	3	0	0	6	59	62	96	95	67	0	5	33
equipment	98	36	20	0	8	8	70	18	81	71	22	28	20	56
subtotals	392	213	107	7	20	79	258	199	76	66	37	18	28	52
<lithography>	210	172	113	0	16	43	81	0	55	38	25	12	54	66
type	210	172	87	4	38	43	81	0	65	38	25	31	42	52
granularity	45	18	3	0	4	11	38	81	95	84	61	57	7	17
device	89	17	10	0	0	7	79	78	90	89	41	0	11	59
equipment	173	109	70	0	14	25	89	15	65	51	23	17	40	64
subtotals	517	316	170	4	56	86	287	174	71	56	27	25	33	54
<etching>	61	92	40	0	5	47	16	0	63	26	51	11	66	43
type	61	92	37	0	8	47	16	0	66	26	51	18	61	40
etchant	6	0	0	0	0	0	6	37	100	100	*	*	0	*
film	27	20	6	0	3	11	18	24	84	67	55	33	22	30
granularity	11	9	1	1	0	7	9	33	92	82	78	25	14	17
temperature	1	0	0	0	0	0	1	39	100	100	*	*	0	*
device	41	9	3	0	0	6	38	21	94	93	67	0	7	33
equipment	46	11	7	0	0	4	39	11	86	85	36	0	15	64
subtotals	193	141	54	1	11	75	127	165	80	66	53	17	28	39
<packaging>	192	154	90	0	16	48	86	0	62	45	31	15	47	58
type	192	154	84	2	20	48	86	0	64	45	31	20	44	55
pitch	14	0	0	0	0	0	14	85	100	100	*	*	0	*
material	89	22	19	0	0	3	70	55	79	79	14	0	21	86
p-1-count	51	0	0	0	0	0	51	61	100	100	*	*	0	*
units	56	15	11	0	2	2	43	70	81	77	13	15	20	73
bonding	34	0	0	0	0	0	34	81	100	100	*	*	0	*
device	171	35	14	0	3	18	154	22	92	90	51	18	8	40
equipment	0	0	0	0	0	0	0	90	*	*	*	*	*	*
subtotals	607	226	128	2	25	71	452	464	81	74	31	17	21	57
<device>	191	220	119	0	13	88	59	0	57	31	40	10	62	54
function	191	220	117	2	13	88	59	0	58	31	40	11	62	54
size	114	51	36	0	3	12	75	57	71	66	24	8	32	70
device-speed	25	6	2	0	2	2	21	109	92	84	33	50	8	33
subtotals	330	277	155	2	18	102	155	166	64	47	37	11	47	56
<equipment>	350	191	145	0	17	29	188	0	62	54	15	10	41	76
name	132	65	34	9	6	16	83	72	74	63	25	21	29	59
manufacturer	266	55	43	0	6	6	217	27	84	82	11	12	16	78
modules	44	0	0	0	0	0	44	129	100	100	*	*	0	*
type	350	191	133	7	22	29	188	0	64	54	15	16	39	71
throughput	17	0	0	0	0	0	17	137	100	100	*	*	0	*
status	373	191	134	0	28	29	211	0	67	56	15	17	36	70
wafer-size	49	3	2	0	1	0	46	132	96	94	0	33	4	67
subtotals	1231	505	346	16	63	80	806	497	73	65	16	17	29	70
ALL-OBJECTS	7012	4052	2327	75	15	1262	4222	3028	71	60	31	15	34	58
MATCHED-ONLY	4112	2837	2327	75	15	260	1535	3028	46	37	9	8	58	83
TEXT-FILTERING	220	252	196	-	-	56	24	24	-	11	22	-	89	78
RICHNESS-NORMALIZED-ERROR				Wrong	Req-fills	All-fills	Min-err	Max-err						
				5909.5	7459	7794	0.7582	0.7923						
ERROR-RATE-PER-WORD				Wrong	Word-count	Error-rate								
				5909.5	125680	0.047								
F-MEASURES				P&R	2P&R	P&2R								
				42.74	50.92	36.83								

EME Summary Scores
NMSU/Brandeis Diderot System

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	300	299	299	0	0	0	1	0	0	0	0	0	100	100
content	606	425	308	0	11	106	287	46	57	47	25	3	51	72
subtotals	606	425	308	0	11	106	287	46	57	47	25	3	51	72
<entity>	553	403	243	0	85	75	225	0	61	41	19	26	44	60
name	498	403	206	26	76	95	190	0	63	38	24	29	44	54
location	231	118	32	3	16	67	180	119	89	78	57	34	14	28
nationality	77	0	0	0	0	0	77	216	100	100	*	*	0	*
type	553	400	243	0	82	75	228	0	61	41	19	25	44	61
subtotals	1359	921	481	29	174	237	675	335	69	50	26	28	36	54
<microelectron	607	425	309	0	11	105	287	0	57	47	25	3	51	73
process	607	425	245	0	75	105	287	0	66	47	25	23	40	58
developer	294	156	53	0	16	87	225	152	86	76	56	23	18	34
manufacturer	237	253	49	0	45	159	143	100	88	60	63	48	21	19
distributor	235	96	34	0	30	32	171	164	87	73	33	47	14	35
purchaser	421	293	64	0	76	153	281	76	89	67	52	54	15	22
subtotals	1794	1223	445	0	242	536	1107	492	81	62	44	35	25	36
<layering>	145	103	69	0	4	30	72	0	60	50	29	5	48	67
type	145	103	61	5	7	30	72	0	64	50	29	13	44	62
film	85	31	18	0	0	13	67	36	82	79	42	0	21	58
temperature	4	0	0	0	0	0	4	68	100	100	*	*	0	*
device	63	25	12	0	4	9	47	46	83	75	36	25	19	48
equipment	98	42	31	0	4	7	63	13	70	64	17	11	32	74
subtotals	395	201	122	5	15	59	253	163	72	64	29	12	32	62
<lithography>	211	172	117	0	15	40	79	0	53	37	23	11	55	68
type	211	138	74	0	34	30	103	0	69	49	22	31	35	54
granularity	45	3	0	0	2	1	43	91	100	96	33	100	0	0
device	91	58	25	0	8	25	58	66	78	64	43	24	27	43
equipment	175	125	72	0	15	38	88	15	66	50	30	17	41	58
subtotals	522	324	171	0	59	94	292	172	72	56	29	26	33	53
<etching>	60	43	27	0	2	14	31	0	64	52	32	7	45	63
type	60	26	15	0	1	10	44	0	78	73	38	6	25	58
etchant	6	0	0	0	0	0	6	24	100	100	*	*	0	*
film	27	10	4	1	1	4	21	18	85	78	40	25	17	45
granularity	11	1	0	0	0	1	11	22	100	100	100	*	0	0
temperature	1	0	0	0	0	0	1	27	100	100	*	*	0	*
device	40	11	6	0	2	3	32	17	86	80	27	25	15	54
equipment	45	23	13	0	2	8	30	7	75	67	35	13	29	56
subtotals	190	71	38	1	6	26	145	115	82	76	37	14	20	54
<packaging>	191	88	57	0	8	23	126	0	73	66	26	12	30	65
type	191	51	26	5	11	9	149	0	86	78	18	32	15	56
pitch	14	0	0	0	0	0	14	53	100	100	*	*	0	*
material	92	44	25	0	1	18	66	26	77	72	41	4	27	57
p-l-count	52	24	18	0	1	5	33	36	68	63	21	5	35	75
units	57	0	0	0	0	0	57	43	100	100	*	*	0	*
bonding	34	0	0	0	0	0	34	48	100	100	*	*	0	*
device	172	93	35	0	12	46	125	9	84	73	49	26	20	38
equipment	1	8	1	0	0	7	0	52	88	0	88	0	100	12
subtotals	613	220	105	5	25	85	478	267	84	78	39	20	18	49
<device>	194	184	97	0	16	71	81	0	63	42	38	14	50	53
function	194	184	91	6	16	71	81	0	64	42	38	17	48	51
size	114	58	29	0	3	26	82	49	79	72	45	9	25	50
device-speed	25	7	2	0	1	4	22	91	93	88	57	33	8	28
subtotals	333	249	122	6	20	101	185	140	71	56	40	16	38	50
<equipment>	349	198	153	0	9	36	187	0	60	54	18	6	44	77
name	132	49	23	3	4	19	102	89	84	77	39	18	18	50
manufacturer	267	153	52	0	40	61	175	15	84	66	40	43	19	34
modules	44	0	0	0	0	0	44	143	100	100	*	*	0	*
type	349	198	128	19	15	36	187	0	64	54	18	15	39	69
throughput	17	0	0	0	0	0	17	144	100	100	*	*	0	*
status	372	198	140	0	22	36	210	0	66	56	18	14	38	71
wafer-size	49	1	1	0	0	0	48	138	98	98	0	0	2	100
subtotals	1230	599	344	22	81	152	783	529	74	64	25	20	29	59
ALL-OBJECTS	7042	4233	2136	68	17	1396	4205	2259	74	60	33	24	31	51
MATCHED-ONLY	3630	3142	2136	68	17	537	1025	2259	48	28	17	17	60	69
TEXT-FILTERING	220	206	172	-	-	34	48	46	-	22	16	-	78	83
RICHNESS-NORMALIZED-ERROR				Wrong	Req-fills		All-fills		Min-err		Max-err			
				6268	7469		7802		0.8034		0.8392			
ERROR-RATE-PER-WORD				Wrong	Word-count		Error-rate							
				6268	125680		0.0499							
F-MEASURES				P&R	2P&R		P&2R							
				38.49	45.26		33.49							

EME Summary Scores
UManitoba NUBA System

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	300	300	300	0	0	0	0	0	0	0	0	0	100	100
content	610	716	441	0	8	267	161	46	50	26	37	2	72	62
subtotals	610	716	441	0	8	267	161	46	50	26	37	2	72	62
<entity>	546	488	305	0	65	118	176	0	54	32	24	18	56	62
name	492	488	268	31	61	128	132	0	54	27	26	21	58	58
location	229	116	46	3	19	48	161	188	83	70	41	30	21	41
nationality	76	0	0	0	0	0	76	267	100	100	*	*	0	*
type	546	488	304	0	66	118	176	0	54	32	24	18	56	62
subtotals	1343	1092	618	34	146	294	545	455	61	40	27	20	47	58
<microelectron	611	716	442	0	8	266	161	0	50	26	37	2	72	62
process	611	716	346	0	104	266	161	0	60	26	37	23	57	48
developer	293	133	50	0	13	70	230	277	86	78	53	21	17	38
manufacturer	237	245	71	0	30	144	136	211	81	57	59	30	30	29
distributor	236	222	67	0	27	128	142	226	82	60	58	29	28	30
purchaser	424	419	112	0	82	225	230	106	83	54	54	42	26	27
subtotals	1801	1735	646	0	256	833	899	820	75	50	48	28	36	37
<layering>	144	154	92	0	3	59	49	0	55	34	38	3	64	60
type	144	154	79	8	8	59	49	0	59	34	38	13	58	54
film	83	36	24	0	2	10	57	47	74	69	28	8	29	67
temperature	4	0	0	0	0	0	4	91	100	100	*	*	0	*
device	61	3	3	0	0	0	58	73	95	95	0	0	5	100
equipment	97	47	27	0	12	8	58	24	74	60	17	31	28	57
subtotals	389	240	133	8	22	77	226	235	71	58	32	16	35	57
<lithography>	214	285	160	0	13	112	41	0	51	19	39	8	75	56
type	214	285	124	2	47	112	41	0	62	19	39	28	58	44
granularity	45	0	0	0	0	0	45	127	100	100	*	*	0	*
device	90	42	20	0	13	9	57	107	80	63	21	39	22	48
equipment	178	237	109	0	26	102	43	14	61	24	43	19	61	46
subtotals	527	564	253	2	86	223	186	248	66	35	40	26	48	45
<etching>	61	46	31	0	2	13	28	0	58	46	28	6	51	67
type	61	46	22	0	11	13	28	0	70	46	28	33	36	48
etchant	6	6	2	0	0	4	4	26	80	67	67	0	33	33
film	27	11	3	0	3	5	21	19	91	78	45	50	11	27
granularity	11	0	0	0	0	0	11	25	100	100	*	*	0	*
temperature	1	0	0	0	0	0	1	31	100	100	*	*	0	*
device	41	3	2	0	0	1	39	18	95	95	33	0	5	67
equipment	46	37	23	0	5	9	18	3	58	39	24	18	50	62
subtotals	193	103	52	0	19	32	122	122	77	63	31	27	27	50
<packaging>	193	231	133	0	5	93	55	0	53	28	40	4	69	58
type	193	231	112	5	21	93	55	0	60	28	40	17	59	50
pitch	14	0	0	0	0	0	14	124	100	100	*	*	0	*
material	92	51	30	0	2	19	60	65	73	65	37	6	33	59
p-l-count	52	25	17	0	0	8	35	95	72	67	32	0	33	68
units	57	47	29	4	0	14	24	88	56	42	30	6	54	66
bonding	33	27	14	0	0	13	19	116	70	58	48	0	42	52
device	171	40	21	0	7	12	143	42	88	84	30	25	12	52
equipment	0	0	0	0	0	0	0	133	*	*	*	*	*	*
subtotals	612	421	223	9	30	159	350	663	70	57	38	13	37	54
<device>	190	88	52	0	9	27	129	0	76	68	31	15	27	59
function	190	88	50	2	9	27	129	0	76	68	31	16	27	58
size	111	0	0	0	0	0	111	25	100	100	*	*	0	*
device-speed	25	0	0	0	0	0	25	46	100	100	*	*	0	*
subtotals	326	88	50	2	9	27	265	71	86	81	31	16	16	58
<equipment>	351	320	206	0	24	90	121	0	53	34	28	10	59	64
name	132	93	31	8	9	45	84	112	80	64	48	27	26	38
manufacturer	268	0	0	0	0	0	268	51	100	100	*	*	0	*
modules	45	0	0	0	0	0	45	192	100	100	*	*	0	*
type	351	320	199	3	28	90	121	0	54	34	28	13	57	63
throughput	17	0	0	0	0	0	17	194	100	100	*	*	0	*
status	374	320	183	0	47	90	144	0	60	38	28	20	49	57
wafer-size	51	0	0	0	0	0	51	188	100	100	*	*	0	*
subtotals	1238	733	413	11	84	225	730	737	71	59	31	18	34	57
ALL-OBJECTS	7039	5692	2829	66	14	2137	3484	3397	69	49	38	19	41	50
MATCHED-ONLY	4708	3828	2829	66	14	506	1386	3397	45	29	13	14	61	75
TEXT-FILTERING	219	225	190	-	-	35	29	46	-	13	16	-	87	84
RICHNESS-NORMALIZED-ERROR			Wrong		Req-fills		All-fills		Min-err		Max-err			
			6314		7474		7808		0.8087		0.8448			
ERROR-RATE-PER-WORD			Wrong		Word-count		Error-rate							
			6314		125680		0.0502							
F-MEASURES			P&R		2P&R		P&2R							
			44.96		48.01		42.28							

EME Summary Scores
UMass/Hughes CIRCUS System

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE			
<template>	300	300	300	0	0	0	0	0	0	0	0	0	100	100			
content	605	318	225	0	4	89	376	24	68	62	28	2	37	71			
subtotals	605	318	225	0	4	89	376	24	68	62	28	2	37	71			
<entity>	549	647	256	0	129	262	164	0	68	30	40	34	47	40			
name	495	630	203	38	119	270	135	2	71	27	43	38	45	35			
location	231	52	18	3	8	23	202	157	92	87	44	33	8	38			
nationality	78	34	12	0	1	21	65	225	88	83	62	8	15	35			
type	549	631	251	0	128	252	170	0	69	31	40	34	46	40			
subtotals	1353	1347	484	41	256	566	572	384	74	42	42	35	37	37			
<microelectron	605	318	225	0	4	89	376	0	68	62	28	2	37	71			
process	605	347	190	0	39	118	376	0	74	62	34	17	31	55			
developer	289	144	29	0	15	100	245	124	92	85	69	34	10	20			
manufacturer	235	363	56	0	31	276	148	89	89	63	76	36	24	15			
distributor	232	347	52	0	29	266	151	86	90	65	77	36	22	15			
purchaser	418	226	69	0	20	137	329	77	88	79	61	22	16	30			
subtotals	1779	1427	396	0	134	897	1249	376	85	70	63	25	22	28			
<layering>	145	149	93	0	5	51	47	0	52	32	34	5	64	62			
type	145	149	85	5	8	51	47	0	55	32	34	11	60	59			
film	84	51	24	0	7	20	53	49	77	63	39	22	28	47			
temperature	4	0	0	0	0	0	4	90	100	100	*	*	0	*			
device	63	67	19	0	6	42	38	54	82	60	63	24	30	28			
equipment	98	30	20	0	5	5	73	29	80	74	17	20	20	67			
subtotals	394	297	148	5	26	118	215	222	71	54	40	16	38	51			
<lithography>	212	134	93	0	7	34	112	0	62	53	25	7	44	69			
type	212	132	64	8	26	34	114	0	72	54	26	31	32	52			
granularity	45	13	2	1	6	4	36	66	95	80	31	72	6	19			
device	90	113	44	0	3	66	43	30	72	48	58	6	49	39			
equipment	175	129	50	0	27	52	98	6	78	56	40	35	28	39			
subtotals	522	387	160	9	62	156	291	102	76	56	40	29	32	42			
<etching>	60	63	24	0	9	30	27	0	73	45	48	27	40	38			
type	60	54	14	0	15	25	31	0	84	52	46	52	23	26			
etchant	6	0	0	0	0	0	6	19	100	100	*	*	0	*			
film	27	32	8	0	5	19	14	12	83	52	59	38	30	25			
granularity	11	0	0	0	0	0	11	17	100	100	*	*	0	*			
temperature	1	0	0	0	0	0	1	24	100	100	*	*	0	*			
device	41	29	14	0	1	14	26	9	74	63	48	7	34	48			
equipment	45	12	7	0	2	3	36	4	85	80	25	22	16	58			
subtotals	191	127	43	0	23	61	125	85	83	65	48	35	22	34			
<packaging>	192	197	120	0	11	66	61	0	53	32	34	8	62	61			
type	192	197	92	1	38	66	61	0	64	32	34	29	48	47			
pitch	14	0	0	0	0	0	14	114	100	100	*	*	0	*			
material	91	37	26	0	1	10	64	62	74	70	27	4	28	70			
p-l-count	51	0	0	0	0	0	51	88	100	100	*	*	0	*			
units	57	0	0	0	0	0	57	93	100	100	*	*	0	*			
bonding	34	0	0	0	0	0	34	105	100	100	*	*	0	*			
device	172	249	89	0	17	143	66	16	72	38	57	16	52	36			
equipment	0	1	0	0	0	1	0	119	100	*	100	*	*	0			
subtotals	611	484	207	1	56	220	347	597	75	57	45	21	34	43			
<device>	192	215	119	0	19	77	54	0	56	28	36	14	62	55			
function	192	198	118	1	12	67	61	0	54	32	34	10	62	60			
size	114	70	36	0	7	27	71	44	74	62	38	16	32	51			
device-speed	25	11	2	0	0	9	23	105	94	92	82	0	8	18			
subtotals	331	279	156	1	19	103	155	149	64	47	37	11	47	56			
<equipment>	348	175	136	0	10	29	202	0	64	58	16	7	39	78			
name	132	80	17	8	16	39	91	52	88	69	49	49	16	26			
manufacturer	269	484	80	0	44	360	145	1	87	54	74	35	30	16			
modules	44	0	0	0	0	0	44	126	100	100	*	*	0	*			
type	348	163	111	7	17	28	213	0	70	61	17	15	33	70			
throughput	17	0	0	0	0	0	17	129	100	100	*	*	0	*			
status	371	175	129	0	17	29	225	0	68	61	16	12	35	74			
wafer-size	49	0	0	0	0	0	49	125	100	100	*	*	0	*			
subtotals	1230	902	337	15	94	456	784	433	80	64	50	23	28	38			
ALL-OBJECTS	7016	5568	2156	72	22	2666	4114	2372	77	59	48	24	31	39			
MATCHED-ONLY	3663	3722	2156	72	22	1140	1081	2372	54	30	31	15	60	59			
TEXT-FILTERING	219	243	186	-	-	57	33	24	-	15	23	-	85	76			
RICHNESS-NORMALIZED-ERROR			Wrong 7490			Req-fills 7449			All-fills 7779			Min-err 0.9628			Max-err 1.0055		
ERROR-RATE-PER-WORD			Wrong 7490			Word-count 125680			Error-rate 0.0596								
F-MEASURES			P&R 34.84			2P&R 37.42			P&2R 32.59								

EME Summary Scores
UMichigan LINK System

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	300	300	300	0	0	0	0	0	0	0	0	0	100	100
content	606	489	254	0	60	175	292	9	67	48	36	19	42	52
subtotals	606	489	254	0	60	175	292	9	67	48	36	19	42	52
<entity>	546	291	124	0	77	90	345	0	80	63	31	38	23	43
name	491	236	74	37	51	74	329	2	84	67	31	43	19	39
location	231	72	14	4	14	40	199	76	94	86	56	50	7	22
nationality	75	0	0	0	0	0	75	113	100	100	*	*	0	*
type	546	291	124	0	77	90	345	0	80	63	31	38	23	43
subtotals	1343	599	212	41	142	204	948	191	85	70	34	41	17	39
<microelectron	606	488	254	0	60	174	292	0	67	48	36	19	42	52
process	606	455	166	0	135	154	305	0	78	50	34	45	27	36
developer	290	67	21	0	11	35	258	148	94	89	52	34	7	31
manufacturer	235	173	23	0	27	123	185	102	94	79	71	54	10	13
distributor	232	156	23	0	21	112	188	109	93	81	72	48	10	15
purchaser	419	40	10	0	15	15	394	99	98	94	38	60	2	25
subtotals	1782	891	243	0	209	439	1330	458	89	75	49	46	14	27
<layering>	145	193	56	0	20	117	69	0	79	48	61	26	39	29
type	145	77	43	3	5	26	94	0	74	65	34	13	31	58
film	83	68	17	0	10	41	56	24	86	67	60	37	20	25
temperature	4	1	0	0	0	1	4	53	100	100	100	*	0	0
device	63	79	7	0	10	62	46	34	94	73	78	59	11	9
equipment	99	65	6	0	23	36	70	15	96	71	55	79	6	9
subtotals	394	290	73	3	48	166	270	126	87	68	57	40	19	26
<lithography>	209	101	55	0	10	36	144	0	78	69	36	15	26	54
type	209	76	34	2	11	29	162	0	85	78	38	26	17	46
granularity	45	2	0	0	2	0	43	43	100	96	0	100	0	0
device	89	39	18	0	5	16	66	26	83	74	41	22	20	46
equipment	174	55	24	0	16	15	134	9	87	77	27	40	14	44
subtotals	517	172	76	2	34	60	405	78	87	78	35	31	15	45
<etching>	61	77	16	0	20	41	25	0	84	41	53	56	26	21
type	61	37	11	0	3	23	47	0	87	77	62	21	18	30
etchant	6	0	0	0	0	0	6	14	100	100	*	*	0	*
film	27	18	2	1	2	13	22	7	94	81	72	50	9	14
granularity	11	0	0	0	0	0	11	12	100	100	*	*	0	*
temperature	1	0	0	0	0	0	1	15	100	100	*	*	0	*
device	42	20	5	0	4	11	33	5	90	78	55	44	12	25
equipment	47	25	1	0	13	11	33	4	98	70	44	93	2	4
subtotals	195	100	19	1	22	58	153	57	92	78	58	54	10	20
<packaging>	192	85	54	0	12	19	126	0	74	66	22	18	28	64
type	192	56	40	1	4	11	147	0	80	76	20	10	21	72
pitch	14	0	0	0	0	0	14	52	100	100	*	*	0	*
material	89	0	0	0	0	0	89	33	100	100	*	*	0	*
p-l-count	51	0	0	0	0	0	51	35	100	100	*	*	0	*
units	56	0	0	0	0	0	56	46	100	100	*	*	0	*
bonding	33	8	5	0	0	3	28	45	86	85	38	0	15	62
device	169	36	18	0	10	8	141	9	90	83	22	36	11	50
equipment	0	9	0	0	0	9	0	50	100	*	100	*	*	0
subtotals	604	109	63	1	14	31	526	270	90	87	28	18	10	58
<device>	191	169	79	0	27	63	85	0	69	44	37	25	41	47
function	191	121	76	3	8	34	104	0	66	54	28	11	40	64
size	114	37	25	0	0	12	89	30	80	78	32	0	22	68
device-speed	25	0	0	0	0	0	25	68	100	100	*	*	0	*
subtotals	330	158	101	3	8	46	218	98	73	66	29	8	31	65
<equipment>	349	151	59	0	50	42	240	0	85	69	28	46	17	39
name	133	19	5	0	5	9	123	33	96	92	47	50	4	26
manufacturer	269	4	2	0	2	0	265	11	99	98	0	50	1	50
modules	45	0	0	0	0	0	45	52	100	100	*	*	0	*
type	349	72	50	7	4	11	288	0	85	82	15	12	15	74
throughput	17	0	0	0	0	0	17	55	100	100	*	*	0	*
status	373	0	0	0	0	0	373	0	100	100	*	*	0	*
wafer-size	49	0	0	0	0	0	49	52	100	100	*	*	0	*
subtotals	1235	95	57	7	11	20	1160	203	95	94	21	19	5	64
ALL-OBJECTS	7006	2903	1098	58	15	1199	5302	1490	86	76	41	34	16	39
MATCHED-ONLY	2606	1786	1098	58	15	337	1157	1490	62	44	19	22	43	63
TEXT-FILTERING	220	288	217	-	-	71	3	9	-	1	25	-	99	75
RICHNESS-NORMALIZED-ERROR				Wrong		Req-fills		All-fills		Min-err		Max-err		
				7078		7441		7775		0.9104		0.9512		
ERROR-RATE-PER-WORD				Wrong		Word-count		Error-rate						
				7078		125680		0.0563						
F-MEASURES				P&R		2P&R		P&2R						
				22.75		30.27		18.22						

**JME Summary Scores
BBN PLUM System**

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	100	100	100	0	0	0	0	0	0	0	0	0	100	100
content	123	109	77	0	0	32	46	23	50	37	29	0	63	71
subtotals	123	109	77	0	0	32	46	23	50	37	29	0	63	71
<entity>	121	111	71	0	8	32	42	0	54	35	29	10	59	64
name	120	111	64	2	13	32	41	0	57	34	29	18	54	58
location	58	0	0	0	0	0	58	36	100	100	*	*	0	*
nationality	36	0	0	0	0	0	36	50	100	100	*	*	0	*
type	121	111	71	0	8	32	42	0	54	35	29	10	59	64
subtotals	335	222	135	2	21	64	177	86	66	53	29	14	40	61
<microelectron	124	109	78	0	0	31	46	0	50	37	28	0	63	72
process	124	109	68	0	10	31	46	0	56	37	28	13	55	62
developer	63	56	16	0	7	33	40	44	83	63	59	30	25	28
manufacturer	85	169	42	0	9	118	34	10	79	40	70	18	49	25
distributor	80	83	31	0	6	46	43	26	75	54	55	16	39	37
purchaser	25	11	6	0	0	5	19	61	80	76	45	0	24	54
subtotals	377	428	163	0	32	233	182	141	73	48	54	16	43	38
<layering>	44	30	23	0	1	6	20	0	54	45	20	4	52	77
type	44	30	21	2	1	6	20	0	56	45	20	8	50	73
film	13	0	0	0	0	0	13	20	100	100	*	*	0	*
temperature	5	0	0	0	0	0	5	21	100	100	*	*	0	*
device	13	2	1	0	0	1	12	15	93	92	50	0	8	50
equipment	39	34	10	0	6	18	23	1	82	59	53	38	26	29
subtotals	114	66	32	2	7	25	73	57	76	64	38	20	29	50
<lithography>	51	53	36	0	3	14	12	0	45	24	26	8	70	68
type	51	53	33	0	6	14	12	0	49	24	26	15	65	62
granularity	23	0	0	0	0	0	23	20	100	100	*	*	0	*
device	35	7	4	0	1	2	30	12	89	86	28	20	11	57
equipment	51	74	30	0	9	35	12	0	65	24	47	23	59	40
subtotals	160	134	67	0	16	51	77	32	68	48	38	19	42	50
<etching>	17	11	5	0	2	4	10	0	76	59	36	28	29	45
type	17	11	3	0	4	4	10	0	86	59	36	57	18	27
etchant	0	0	0	0	0	0	0	5	*	*	*	*	*	*
film	4	0	0	0	0	0	4	4	100	100	*	*	0	*
granularity	2	0	0	0	0	0	2	4	100	100	*	*	0	*
temperature	0	0	0	0	0	0	0	5	*	*	*	*	*	*
device	6	3	2	0	0	1	4	2	71	67	33	0	33	67
equipment	10	14	4	0	1	9	5	0	79	50	64	20	40	28
subtotals	39	28	9	0	5	14	25	20	83	64	50	36	23	32
<packaging>	12	15	8	0	0	7	4	0	58	33	47	0	67	53
type	12	15	8	0	0	7	4	0	58	33	47	0	67	53
pitch	0	0	0	0	0	0	0	8	*	*	*	*	*	*
material	4	13	3	0	0	10	1	4	78	25	77	0	75	23
p-l-count	6	5	5	0	0	0	1	3	17	17	0	0	83	100
units	0	0	0	0	0	0	0	8	*	*	*	*	*	*
bonding	0	0	0	0	0	0	0	8	*	*	*	*	*	*
device	14	15	5	0	3	7	6	0	76	43	47	38	36	33
equipment	0	0	0	0	0	0	0	8	*	*	*	*	*	*
subtotals	36	48	21	0	3	24	12	39	65	33	50	12	58	44
<device>	49	19	12	0	3	4	34	0	77	69	21	20	24	63
function	49	19	12	0	3	4	34	0	77	69	21	20	24	63
size	34	0	0	0	0	0	34	5	100	100	*	*	0	*
device-speed	4	0	0	0	0	0	4	10	100	100	*	*	0	*
subtotals	87	19	12	0	3	4	72	15	87	83	21	20	14	63
<equipment>	110	78	55	0	4	19	51	0	57	46	24	7	50	70
name	27	10	6	1	1	2	19	38	78	70	20	19	24	65
manufacturer	91	89	31	0	10	48	50	1	78	55	54	24	34	35
modules	15	0	0	0	0	0	15	51	100	100	*	*	0	*
type	110	78	53	0	6	19	51	0	59	46	24	10	48	68
throughput	3	0	0	0	0	0	3	55	100	100	*	*	0	*
status	110	78	49	0	10	19	51	0	62	46	24	17	44	63
wafer-size	12	0	0	0	0	0	12	49	100	100	*	*	0	*
subtotals	368	255	139	1	27	88	201	194	69	55	34	16	38	55
ALL-OBJECTS	1639	1309	655	5	6	535	865	607	70	53	41	15	40	50
MATCHED-ONLY	987	955	655	5	6	220	252	607	46	26	23	10	67	69
TEXT-FILTERING	68	66	57	-	-	9	11	23	-	16	14	-	84	86
RICHNESS-NORMALIZED-ERROR			Wrong	Req-fills		All-fills		Min-err		Max-err				
			1516.5	1664		1749		0.8671		0.9114				
ERROR-RATE-PER-WORD			Wrong	Word-count		Error-rate								
			1516.5	1784		0.8501								
F-MEASURES			P&R	2P&R		P&2R								
			44.61	47.82		41.8								

JME Summary Scores
GE/CMU Shogun System

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	100	100	100	0	0	0	0	0	0	0	0	0	100	100
content	123	134	94	0	2	38	27	21	42	22	28	2	76	70
subtotals	123	134	94	0	2	38	27	21	42	22	28	2	76	70
<entity>	121	131	91	0	9	31	21	0	40	17	24	9	75	69
name	121	131	77	3	20	31	21	0	48	17	24	22	65	60
location	58	47	25	4	4	14	25	42	62	43	30	18	46	57
nationality	36	19	14	0	4	1	18	61	62	50	5	22	39	74
type	121	131	91	0	9	31	21	0	40	17	24	9	75	69
subtotals	336	328	207	7	37	77	85	103	49	25	23	16	63	64
<microelectron	124	134	94	0	2	38	28	0	42	22	28	2	76	70
process	124	134	84	0	12	38	28	0	48	22	28	12	68	63
developer	63	91	23	0	9	59	31	43	81	49	65	28	36	25
manufacturer	83	141	43	0	15	83	25	12	74	30	59	26	52	30
distributor	80	138	45	0	9	84	26	20	72	32	61	17	56	33
purchaser	25	36	13	0	1	22	11	62	72	44	61	7	52	36
subtotals	375	540	208	0	46	286	121	137	68	32	53	18	55	38
<layering>	44	57	36	0	1	20	7	0	44	16	35	3	82	63
type	44	57	32	2	3	20	7	0	48	16	35	11	75	58
film	13	2	0	0	1	1	12	28	100	92	50	100	0	0
temperature	5	5	2	0	0	3	3	31	75	60	60	0	40	40
device	13	9	6	0	0	3	7	24	62	54	33	0	46	67
equipment	39	57	20	0	13	24	6	0	68	15	42	39	51	35
subtotals	114	130	60	2	17	51	35	83	63	31	39	23	54	47
<lithography>	51	47	35	0	1	11	15	0	44	29	23	3	69	74
type	51	47	30	0	6	11	15	0	52	29	23	17	59	64
granularity	24	36	8	5	2	21	9	15	77	38	58	30	44	29
device	35	39	20	0	2	17	13	7	62	37	44	9	57	51
equipment	51	43	32	0	2	9	17	0	47	33	21	6	63	74
subtotals	161	165	90	5	12	58	54	22	58	34	35	14	57	56
<etching>	17	15	9	0	1	5	7	0	59	41	33	10	53	60
type	17	15	6	0	4	5	7	0	73	41	33	40	35	40
etchant	0	0	0	0	0	0	0	9	*	*	*	*	*	*
film	4	1	1	0	0	0	3	8	75	75	0	0	25	100
granularity	2	7	0	2	0	5	0	5	86	0	71	50	50	14
temperature	0	0	0	0	0	0	0	9	*	*	*	*	*	*
device	6	3	2	0	0	1	4	4	71	67	33	0	33	67
equipment	10	11	7	0	1	3	2	0	46	20	27	12	70	64
subtotals	39	37	16	2	5	14	16	35	68	41	38	26	44	46
<packaging>	12	15	10	0	0	5	2	0	41	17	33	0	83	67
type	12	15	10	0	0	5	2	0	41	17	33	0	83	67
pitch	0	3	0	0	0	3	0	10	100	*	100	*	*	0
material	4	6	3	0	0	3	1	7	57	25	50	0	75	50
p-l-count	5	5	5	0	0	0	0	5	0	0	0	0	100	100
units	0	0	0	0	0	0	0	10	*	*	*	*	*	*
bonding	0	0	0	0	0	0	0	10	*	*	*	*	*	*
device	14	11	7	0	0	4	7	0	61	50	36	0	50	64
equipment	0	0	0	0	0	0	0	10	*	*	*	*	*	*
subtotals	35	40	25	0	0	15	10	52	50	28	38	0	71	62
<device>	49	56	37	0	1	18	11	0	45	22	32	3	76	66
function	49	56	34	3	1	18	11	0	47	22	32	6	72	63
size	33	31	22	0	2	7	9	11	45	27	22	8	67	71
device-speed	4	11	3	0	1	7	0	31	73	0	64	25	75	27
subtotals	86	98	59	3	4	32	20	42	49	23	33	8	70	62
<equipment>	110	115	79	0	2	34	29	0	45	26	30	2	72	69
name	27	21	16	0	0	5	11	54	50	41	24	0	59	76
manufacturer	89	112	44	0	20	48	25	0	68	28	43	31	49	39
modules	15	4	3	0	0	1	12	74	81	80	25	0	20	75
type	110	115	74	0	7	34	29	0	49	26	30	9	67	64
throughput	3	8	1	0	0	7	2	73	90	67	88	0	33	12
status	110	115	74	0	7	34	29	0	49	26	30	9	67	64
wafer-size	12	4	1	0	0	3	11	68	93	92	75	0	8	25
subtotals	366	379	213	0	34	132	119	269	57	32	35	14	58	56
ALL-OBJECTS	1635	1851	972	19	17	703	487	764	58	30	38	14	60	53
MATCHED-ONLY	1261	1345	972	19	17	231	147	764	34	12	17	12	78	73
TEXT-FILTERING	68	77	66	-	-	11	2	21	-	3	14	-	97	86
RICHNESS-NORMALIZED-ERROR			Wrong		Req-fills		All-fills		Min-err		Max-err			
			1356.5		1664		1749		0.7756		0.8152			
ERROR-RATE-PER-WORD			Wrong		Word-count		Error-rate							
			1356.5		1784		0.7604							
F-MEASURES			P&R		2P&R		P&2R							
			56.31		54.29		58.49							

JME Summary Scores
GE/CMU TEXTTRACT System (Optional Test Run)

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	100	100	100	0	0	0	0	0	0	0	0	0	100	100
content	122	85	70	0	0	15	52	22	49	43	18	0	57	82
subtotals	122	85	70	0	0	15	52	22	49	43	18	0	57	82
<entity>	117	112	81	0	6	25	30	0	43	26	22	7	69	72
name	116	112	70	4	13	25	29	0	49	25	22	17	62	64
location	56	39	21	5	4	9	26	40	64	46	23	22	42	60
nationality	36	31	20	0	4	7	12	57	53	33	22	17	56	64
type	117	112	81	0	6	25	30	0	43	26	22	7	69	72
subtotals	325	294	192	9	27	66	97	97	50	30	22	14	60	67
<microelectron	123	85	70	0	0	15	53	0	49	43	18	0	57	82
process	123	85	68	0	2	15	53	0	51	43	18	3	55	80
developer	62	52	18	0	3	31	41	37	81	66	60	14	29	35
manufacturer	83	101	44	0	7	50	32	11	67	38	50	14	53	44
distributor	80	77	42	0	1	34	37	20	63	46	44	2	52	54
purchaser	23	42	10	0	3	29	10	46	81	43	69	23	43	24
subtotals	371	357	182	0	16	159	173	114	66	47	44	8	49	51
<layering>	44	30	24	0	1	5	19	0	51	43	17	4	54	80
type	44	30	23	0	2	5	19	0	53	43	17	8	52	77
film	13	10	0	0	4	6	9	15	100	69	60	100	0	0
temperature	5	6	0	0	2	4	3	19	100	60	67	100	0	0
device	13	11	4	0	3	4	6	13	76	46	36	43	31	36
equipment	39	24	17	0	3	4	19	3	60	49	17	15	44	71
subtotals	114	81	44	0	14	23	56	50	68	49	28	24	38	54
<lithography>	51	34	27	0	0	7	24	0	53	47	20	0	53	79
type	51	34	22	0	5	7	24	0	62	47	20	18	43	65
granularity	24	14	10	0	2	2	12	13	62	50	14	17	42	71
device	35	23	15	0	4	4	16	5	62	46	17	21	43	65
equipment	51	33	25	0	2	6	24	0	56	47	18	7	49	76
subtotals	161	104	72	0	13	19	76	18	60	47	18	15	45	69
<etching>	16	10	9	0	0	1	7	0	47	44	10	0	56	90
type	16	10	7	1	1	1	7	0	56	44	10	17	47	75
etchant	0	2	0	0	0	2	0	7	100	*	100	*	*	0
film	4	0	0	0	0	0	4	7	100	100	*	*	0	*
granularity	2	1	1	0	0	0	1	8	50	50	0	0	50	100
temperature	0	0	0	0	0	0	0	9	*	*	*	*	*	*
device	5	3	2	0	0	1	3	5	67	60	33	0	40	67
equipment	9	6	6	0	0	0	3	2	33	33	0	0	67	100
subtotals	36	22	16	1	4	18	38	38	59	50	18	8	46	75
<packaging>	12	11	8	0	0	3	4	0	47	33	27	0	67	73
type	12	11	7	0	1	3	4	0	53	33	27	12	58	64
pitch	0	0	0	0	0	0	0	8	*	*	*	*	*	*
material	4	6	3	0	0	3	1	5	57	25	50	0	75	50
p-l-count	7	4	4	0	0	0	3	3	43	43	0	0	57	100
units	0	0	0	0	0	0	0	8	*	*	*	*	*	*
bonding	0	0	0	0	0	0	0	8	*	*	*	*	*	*
device	14	5	5	0	0	0	9	0	64	64	0	0	36	100
equipment	0	0	0	0	0	0	0	8	*	*	*	*	*	*
subtotals	37	26	19	0	1	6	17	40	56	46	23	5	51	73
<device>	48	39	27	0	7	5	14	0	49	29	13	20	56	69
function	48	39	24	3	7	5	14	0	52	29	13	25	53	65
size	34	29	22	0	3	4	9	2	42	26	14	12	65	76
device-speed	4	4	3	0	1	0	0	23	25	0	0	25	75	75
subtotals	86	72	49	3	11	9	23	25	47	27	12	20	59	70
<equipment>	109	63	53	0	2	8	54	0	55	50	13	4	49	84
name	27	17	15	0	0	2	12	33	48	44	12	0	56	88
manufacturer	89	91	43	0	7	41	39	1	67	44	45	14	48	47
modules	15	0	0	0	0	0	15	49	100	100	*	*	0	*
type	109	63	52	0	3	8	54	0	56	50	13	5	48	82
throughput	3	3	2	0	0	1	1	50	50	33	33	0	67	67
status	109	63	49	0	6	8	54	0	58	50	13	11	45	78
wafer-size	12	11	7	0	2	2	3	43	50	25	18	22	58	64
subtotals	364	248	168	0	18	62	178	176	60	49	25	10	46	68
ALL-OBJECTS	1616	1289	812	13	10	363	690	580	59	43	28	12	51	63
MATCHED-ONLY	1015	1058	812	13	10	160	117	580	30	12	15	9	81	77
TEXT-FILTERING	67	75	64	-	-	11	3	22	-	4	15	-	96	85
RICHNESS-NORMALIZED-ERROR				Wrong	Req-fills	All-fills	Min-err	Max-err						
				1160.5	1641	1725	0.6728	0.7072						
ERROR-RATE-PER-WORD				Wrong	Word-count	Error-rate								
				1160.5	1784	0.6505								
F-MEASURES				P&R	2P&R	P&2R								
				56.35	60.43	52.79								

**JME Summary Scores
NEC VENIEX System**

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	100	100	100	0	0	0	0	0	0	0	0	0	100	100
content	123	92	66	0	0	26	57	23	56	46	28	0	54	72
subtotals	123	92	66	0	0	26	57	23	56	46	28	0	54	72
<entity>	121	81	61	0	8	12	52	0	54	43	15	12	50	75
name	121	79	48	7	12	12	54	0	61	45	15	23	42	65
location	58	34	21	2	5	6	30	25	66	52	18	21	38	65
nationality	36	16	15	0	0	1	21	40	59	58	6	0	42	94
type	121	81	61	0	8	12	52	0	54	43	15	12	50	75
subtotals	336	210	145	9	25	31	157	65	59	47	15	16	44	71
<microelectron	124	92	66	0	0	26	58	0	56	47	28	0	53	72
process	124	92	60	0	6	26	58	0	60	47	28	9	48	65
developer	64	45	15	0	6	24	43	31	83	67	53	28	23	33
manufacturer	82	72	35	0	10	27	37	13	68	45	38	22	43	49
distributor	80	49	28	0	4	17	48	17	71	60	35	12	35	57
purchaser	25	17	6	0	2	9	17	51	82	68	53	25	24	35
subtotals	375	275	144	0	28	103	203	112	70	54	37	16	38	52
<layering>	44	31	25	0	2	4	17	0	48	39	13	7	57	81
type	44	31	24	1	2	4	17	0	49	39	13	9	56	79
film	13	3	1	0	0	2	12	20	93	92	67	0	8	33
temperature	5	0	0	0	0	0	5	21	100	100	*	*	0	*
device	13	0	0	0	0	0	13	17	100	100	*	*	0	*
equipment	39	31	19	0	6	6	14	0	58	36	19	24	49	61
subtotals	114	65	44	1	8	12	61	58	65	54	18	16	39	68
<lithography>	51	34	23	0	0	11	28	0	63	55	32	0	45	68
type	51	34	18	0	5	11	28	0	71	55	32	22	35	53
granularity	24	2	0	0	2	0	22	12	100	92	0	100	0	0
device	35	4	3	0	0	1	32	8	92	91	25	0	8	75
equipment	51	34	23	0	0	11	28	0	63	55	32	0	45	68
subtotals	161	74	44	0	7	23	110	20	76	68	31	14	27	59
<etching>	17	13	10	0	0	3	7	0	50	41	23	0	59	77
type	17	13	8	0	2	3	7	0	60	41	23	20	47	62
etchant	0	0	0	0	0	0	0	10	*	*	*	*	*	*
film	4	0	0	0	0	0	4	9	100	100	*	*	0	*
granularity	2	1	0	0	0	1	2	9	100	100	100	*	0	0
temperature	0	0	0	0	0	0	0	10	*	*	*	*	*	*
device	6	0	0	0	0	0	6	6	100	100	*	*	0	*
equipment	10	13	7	0	3	3	0	0	46	0	23	30	70	54
subtotals	39	27	15	0	5	7	19	44	67	49	26	25	38	56
<packaging>	12	14	6	0	0	8	6	0	70	50	57	0	50	43
type	12	14	6	0	0	8	6	0	70	50	57	0	50	43
pitch	0	0	0	0	0	0	0	6	*	*	*	*	*	*
material	4	7	1	0	0	6	3	4	90	75	86	0	25	14
p-l-count	5	1	1	0	0	0	4	3	80	80	0	0	20	100
units	0	0	0	0	0	0	0	6	*	*	*	*	*	*
bonding	0	0	0	0	0	0	0	6	*	*	*	*	*	*
device	14	6	5	0	0	1	9	0	67	64	17	0	36	83
equipment	0	1	0	0	0	1	0	6	100	*	100	*	*	0
subtotals	35	29	13	0	0	16	22	31	74	63	55	0	37	45
<device>	49	8	8	0	0	0	41	0	84	84	0	0	16	100
function	49	8	6	2	0	0	41	0	86	84	0	12	14	88
size	33	3	3	0	0	0	30	2	91	91	0	0	9	100
device-speed	3	0	0	0	0	0	3	6	100	100	*	*	0	*
subtotals	85	11	9	2	0	0	74	8	88	87	0	9	12	91
<equipment>	110	84	55	0	6	23	49	0	59	44	27	10	50	65
name	27	4	2	1	1	0	23	40	91	85	0	38	9	62
manufacturer	89	94	41	0	11	42	37	1	69	42	45	21	46	44
modules	15	10	2	0	0	8	13	50	91	87	80	0	13	20
type	110	70	51	0	2	17	57	0	60	52	24	4	46	73
throughput	3	0	0	0	0	0	3	54	100	100	*	*	0	*
status	110	84	52	0	9	23	49	0	61	44	27	15	47	62
wafer-size	12	2	1	0	0	1	11	46	92	92	50	0	8	50
subtotals	366	264	149	1	23	91	193	191	67	53	34	14	41	57
ALL-OBJECTS	1634	1047	629	13	7	309	896	552	67	55	30	14	39	61
MATCHED-ONLY	903	781	629	13	7	75	197	552	35	22	10	10	70	81
TEXT-FILTERING	68	54	45	-	-	9	23	23	-	34	17	-	66	83
RICHNESS-NORMALIZED-ERROR			Wrong		Req-fills		All-fills		Min-err		Max-err			
			1307.5		1664		1749		0.7476		0.7858			
ERROR-RATE-PER-WORD			Wrong		Word-count		Error-rate							
			1307.5		1784		0.7329							
F-MEASURES			P&R		2P&R		P&2R							
			47.41		54.58		41.9							

**JME Summary Scores
NMSU/Brandeis Diderot System**

SLOT	POS	ACT	COR	PAR	INC	SPU	MIS	NON	ERR	UND	OVG	SUB	REC	PRE
<template>	100	100	100	0	0	0	0	0	0	0	0	0	100	100
content	122	92	69	0	3	20	50	27	51	41	22	4	56	75
subtotals	122	92	69	0	3	20	50	27	51	41	22	4	56	75
<entity>	117	91	71	0	6	14	40	0	46	34	15	8	61	78
name	116	91	61	4	12	14	39	0	52	34	15	18	54	69
location	56	34	20	1	4	9	31	30	68	55	26	18	37	60
nationality	36	8	4	0	0	4	32	48	90	89	50	0	11	50
type	117	91	71	0	6	14	40	0	46	34	15	8	61	78
subtotals	325	224	156	5	22	41	142	78	57	44	18	13	49	71
<microelectron	123	92	70	0	2	20	51	0	51	41	22	3	57	76
process	123	92	65	0	7	20	51	0	54	41	22	10	53	71
developer	62	29	11	0	1	17	50	38	86	81	59	8	18	38
manufacturer	81	83	34	0	5	44	42	11	73	52	53	13	42	41
distributor	79	28	19	0	1	8	59	25	78	75	28	5	24	68
purchaser	23	19	11	0	1	7	11	50	63	48	37	8	48	58
subtotals	368	251	140	0	15	96	213	124	70	58	38	10	38	56
<layering>	44	28	23	0	1	4	20	0	52	45	14	4	52	82
type	44	28	22	1	1	4	20	0	53	45	14	6	51	80
film	13	1	0	0	0	1	13	17	100	100	100	*	0	0
temperature	5	0	0	0	0	0	5	21	100	100	*	*	0	*
device	13	1	1	0	0	0	12	16	92	92	0	0	8	100
equipment	39	21	14	0	3	4	22	1	67	56	19	18	36	67
subtotals	114	51	37	1	4	9	72	55	70	63	18	11	33	74
<lithography>	51	37	29	0	0	8	22	0	51	43	22	0	57	78
type	51	37	23	0	6	8	22	0	61	43	22	21	45	62
granularity	23	0	0	0	0	0	23	18	100	100	*	*	0	*
device	35	9	4	0	2	3	29	9	89	83	33	33	11	44
equipment	51	40	27	0	1	12	23	0	57	45	30	4	53	68
subtotals	160	86	54	0	9	23	97	27	70	61	27	14	34	63
<etching>	16	17	8	0	0	9	8	0	68	50	53	0	50	47
type	16	17	4	1	3	9	8	0	82	50	53	44	28	26
etchant	0	0	0	0	0	0	0	8	*	*	*	*	*	*
film	4	2	1	0	0	1	3	7	80	75	50	0	25	50
granularity	2	0	0	0	0	0	2	6	100	100	*	*	0	*
temperature	0	0	0	0	0	0	0	8	*	*	*	*	*	*
device	5	1	1	0	0	0	4	4	80	80	0	0	20	100
equipment	9	8	5	0	0	3	4	2	58	44	38	0	56	62
subtotals	36	28	11	1	3	13	21	35	76	58	46	23	32	41
<packaging>	12	10	8	0	0	2	4	0	43	33	20	0	67	80
type	12	10	8	0	0	2	4	0	43	33	20	0	67	80
pitch	0	0	0	0	0	0	0	8	*	*	*	*	*	*
material	4	4	2	0	0	2	2	5	67	50	50	0	50	50
p-l-count	5	3	3	0	0	0	2	4	40	40	0	0	60	100
units	0	0	0	0	0	0	0	8	*	*	*	*	*	*
bonding	0	0	0	0	0	0	0	8	*	*	*	*	*	*
device	14	5	5	0	0	0	9	0	64	64	0	0	36	100
equipment	0	0	0	0	0	0	0	8	*	*	*	*	*	*
subtotals	35	22	18	0	0	4	17	41	54	48	18	0	51	82
<device>	48	16	14	0	0	2	34	0	72	71	12	0	29	88
function	48	16	11	3	0	2	34	0	75	71	12	11	26	78
size	33	5	5	0	0	0	28	2	85	85	0	0	15	100
device-speed	3	0	0	0	0	0	3	12	100	100	*	*	0	*
subtotals	84	21	16	3	0	2	65	14	80	77	10	8	21	83
<equipment>	109	69	56	0	4	9	49	0	52	45	13	7	51	81
name	27	9	8	0	1	0	18	40	70	67	0	11	30	89
manufacturer	87	57	34	0	9	14	44	2	66	50	24	21	39	60
modules	15	0	0	0	0	0	15	53	100	100	*	*	0	*
type	109	69	51	0	9	9	49	0	57	45	13	15	47	74
throughput	3	0	0	0	0	0	3	55	100	100	*	*	0	*
status	109	69	52	0	8	9	49	0	56	45	13	13	48	75
wafer-size	12	0	0	0	0	0	12	48	100	100	*	*	0	*
subtotals	362	204	145	0	27	32	190	198	63	52	16	16	40	71
ALL-OBJECTS	1606	979	646	10	8	240	867	599	65	54	24	12	40	66
MATCHED-ONLY	949	793	646	10	8	82	238	599	37	25	10	8	68	82
TEXT-FILTERING	67	62	56	-	-	6	11	27	-	16	10	-	84	90
RICHNESS-NORMALIZED-ERROR				Wrong 1195	Req-fills 1641		All-fills 1725		Min-err 0.6928		Max-err 0.7282			
ERROR-RATE-PER-WORD				Wrong 1195	Word-count 1784		Error-rate 0.6698							
F-MEASURES				P&R 50.37	2P&R 58.95		P&2R 43.97							