

APPENDIX F:

MUC-4 SYSTEM WALKTHROUGH EXAMPLE

1. INSTRUCTIONS

The walkthrough should give the audience a fairly in-depth understanding of your system's processing strategy. To maximize the clarity of the presentation and to facilitate understanding of cross-system similarities and differences, all presentors are asked to focus on the processing of a single, common example, TST2-MUC4-0048. The walkthrough should be based on the text of that message and the templates that your system produces for that message.

Describe how the EVALUATION SYSTEM processed this message. It is important to document how the system used in the evaluation actually processed this message and to show these results. This provides insight into how your system obtained its particular evaluation results. Once you have run this message on the evaluation system, you can debug the system and show an additional "debugged" output, but you must report clearly on any changes made after the evaluation.

TST2-MUC4-0048 Walkthrough Issues ("S"="Sentence")

S1: SALVADORAN PRESIDENT-ELECT ALFREDO CRISTIANI CONDEMNED THE TERRORIST KILLING OF ATTORNEY GENERAL ROBERTO GARCIA ALVARADO AND ACCUSED THE FARABUNDO MARTI NATIONAL LIBERATION FRONT (FMLN) OF THE CRIME.

Describe the processing, with particular attention to:

- *the basic clause level processing for each of the two clauses
- *the processing of the conjunction
- *the verbs "CONDEMNED" and "ACCUSED" and the embedded sentences under them: are the embedded sentences taken as facts, as beliefs?
- *resolution of the phrase "THE CRIME"
- *whether/how these are merged into a single template.

S11-13: GUERRILLAS ATTACKED MERINO'S HOME IN SAN SALVADOR 5 DAYS AGO WITH EXPLOSIVES. THERE WERE SEVEN CHILDREN, INCLUDING FOUR OF THE VICE PRESIDENT'S CHILDREN, IN THE HOME AT THE TIME. A 15-YEAR-OLD NIECE OF MERINO'S WAS INJURED.

Describe the processing, focusing on discourse issues:

- *how is this incident NOT merged with the incident in S1
- *how does the system represent "7 CHILDREN, INCLUDING FOUR..."
how many children get counted?
- *can it determine that people IN the home are targets? how?

S21-22: ACCORDING TO THE POLICE AND GARCIA ALVARADO'S DRIVER, WHO ESCAPED UNSCATHED, THE ATTORNEY GENERAL WAS TRAVELING WITH TWO BODYGUARDS. ONE OF THEM WAS INJURED.

Describe the processing for these sentences, in particular:

- *how is this incident merged with the incident in S1?
- *how is the pronoun "ONE" resolved in S22?
- *how does this get merged into the human target slots?

2. TEXT OF TST2-MUC4-0048

TST2-MUC4-0048

SAN SALVADOR, 19 APR 89 (ACAN-EFE) -- [TEXT] SALVADORAN PRESIDENT-ELECT ALFREDO CRISTIANI CONDEMNED THE TERRORIST KILLING OF ATTORNEY GENERAL ROBERTO GARCIA ALVARADO AND ACCUSED THE FARABUNDO MARTI NATIONAL LIBERATION FRONT (FMLN) OF THE CRIME.

LEGISLATIVE ASSEMBLY PRESIDENT RICARDO VALDIVIESO AND VICE PRESIDENT-ELECT FRANCISCO MERINO ALSO DECLARED THAT THE DEATH OF THE ATTORNEY GENERAL WAS CAUSED BY WHAT VALDIVIESO TERMED THE GUERRILLAS' "IRRATIONAL VIOLENCE."

GARCIA ALVARADO, 56, WAS KILLED WHEN A BOMB PLACED BY URBAN GUERRILLAS ON HIS VEHICLE EXPLODED AS IT CAME TO A HALT AT AN INTERSECTION IN DOWNTOWN SAN SALVADOR.

"WE HAVE TO CONDEMN THIS INCIDENT, IT IS A GUERRILLA ACT," ALFREDO CRISTIANI, NATIONALIST REPUBLICAN ALLIANCE (ARENA) PRESIDENT-ELECT, WHO WILL REPLACE CHRISTIAN DEMOCRAT JOSE NAPOLEON DUARTE ON 1 JUNE, STATED.

[1 short paragraph omitted]

ACCORDING TO CRISTIANI, THE ATTACK TOOK PLACE BECAUSE ATTORNEY GENERAL GARCIA ALVARADO WARNED THAT "HE WOULD TAKE MEASURES AGAINST URBAN TERRORISTS."

VICE PRESIDENT-ELECT FRANCISCO MERINO SAID THAT WHEN THE ATTORNEY GENERAL'S CAR STOPPED AT A LIGHT ON A STREET IN DOWNTOWN SAN SALVADOR, AN INDIVIDUAL PLACED A BOMB ON THE ROOF OF THE ARMORED VEHICLE.

"THE DRIVER TOLD THE ATTORNEY GENERAL ABOUT THE BOMB. THE VEHICLE SWERVED AND THE BOMB EXPLODED, CAUSING THE TOP OF THE VEHICLE TO COLLAPSE ON THE ATTORNEY GENERAL'S HEAD," MERINO STATED.

GUERRILLAS ATTACKED MERINO'S HOME IN SAN SALVADOR 5 DAYS AGO WITH EXPLOSIVES. THERE WERE SEVEN CHILDREN, INCLUDING FOUR OF THE VICE PRESIDENT'S CHILDREN, IN THE HOME AT THE TIME. A 15-YEAR-OLD NIECE OF MERINO'S WAS INJURED. [4 short paragraphs omitted]

RICARDO VALDIVIESO, PRESIDENT OF THE LEGISLATIVE ASSEMBLY AND AN ARENA LEADER, SAID THE FMLN AND ITS "FRONT" GROUPS ARE RESPONSIBLE FOR THE "IRRATIONAL VIOLENCE THAT KILLED ATTORNEY GENERAL GARCIA." [1 short paragraph omitted]

ACCORDING TO THE POLICE AND GARCIA ALVARADO'S DRIVER, WHO ESCAPED UNSCATHED, THE ATTORNEY GENERAL WAS TRAVELING WITH TWO BODYGUARDS. ONE OF THEM WAS INJURED.

THE ATTORNEY GENERAL'S BODY WAS DESTROYED BY THE BOMB THAT EXPLODED OVER HIS HEAD.

NO GROUP HAS CLAIMED CREDIT FOR THE ATTACK YET, BUT POLICE SOURCES CLAIM IT "IS CHARACTERISTIC OF THE FMLN URBAN COMMANDOS." [3 short paragraphs omitted]

3. ANSWER-KEY TEMPLATES FOR TST2-MUC4-0048

0. MESSAGE: ID	TST2-MUC4-0048
1. MESSAGE: TEMPLATE	1
2. INCIDENT: DATE	- 19 APR 89
3. INCIDENT: LOCATION	EL SALVADOR: SAN SALVADOR (CITY)
4. INCIDENT: TYPE	BOMBING
5. INCIDENT: STAGE OF EXECUTION	ACCOMPLISHED
6. INCIDENT: INSTRUMENT ID	"BOMB"
7. INCIDENT: INSTRUMENT TYPE	BOMB: "BOMB"
8. PERP: INCIDENT CATEGORY	TERRORIST ACT
9. PERP: INDIVIDUAL ID	"URBAN GUERRILLAS" / "URBAN TERRORISTS" / "FMLN URBAN COMMANDOS" / "URBAN COMMANDOS"
10. PERP: ORGANIZATION ID	"FMLN" / "FARABUNDO MARTI NATIONAL LIBERATION FRONT"
11. PERP: ORGANIZATION CONFIDENCE SUSPECTED OR ACCUSED BY AUTHORITIES:	"FMLN" / "FARABUNDO MARTI NATIONAL LIBERATION FRONT"
12. PHYS TGT: ID	"VEHICLE" / "CAR" / "ATTORNEY GENERAL'S CAR" / "ARMORED VEHICLE"
13. PHYS TGT: TYPE	TRANSPORT VEHICLE: "VEHICLE" / "CAR" / "ATTORNEY GENERAL'S CAR" / "ARMORED VEHICLE"
14. PHYS TGT: NUMBER	1: "VEHICLE" / "CAR" / "ATTORNEY GENERAL'S CAR" / "ARMORED VEHICLE"
15. PHYS TGT: FOREIGN NATION	-
16. PHYS TGT: EFFECT OF INCIDENT	SOME DAMAGE: "VEHICLE" / "CAR" / "ATTORNEY GENERAL'S CAR" / "ARMORED VEHICLE"
17. PHYS TGT: TOTAL NUMBER	-
18. HUM TGT: NAME	"ROBERTO GARCIA ALVARADO"
19. HUM TGT: DESCRIPTION	"ATTORNEY GENERAL": "ROBERTO GARCIA ALVARADO" "DRIVER" "BODYGUARDS" ? "BODYGUARDS"
20. HUM TGT: TYPE	LEGAL OR JUDICIAL / GOVERNMENT OFFICIAL: CIVILIAN: "DRIVER" SECURITY GUARD: "BODYGUARDS" ? SECURITY GUARD: "BODYGUARDS"
21. HUM TGT: NUMBER	1: "ROBERTO GARCIA ALVARADO" 1: "DRIVER" 2: "BODYGUARDS" 1: "BODYGUARDS"
22. HUM TGT: FOREIGN NATION	-
23. HUM TGT: EFFECT OF INCIDENT	DEATH: "ROBERTO GARCIA ALVARADO" NO INJURY: "DRIVER" INJURY: "BODYGUARDS" ? NO INJURY: "BODYGUARDS"
24. HUM TGT: TOTAL NUMBER	-

0. MESSAGE: ID	TST2-MUC4-0048
1. MESSAGE: TEMPLATE	3
2. INCIDENT: DATE	14 APR 89
3. INCIDENT: LOCATION	EL SALVADOR: SAN SALVADOR (CITY)
4. INCIDENT: TYPE	BOMBING
5. INCIDENT: STAGE OF EXECUTION	ACCOMPLISHED
6. INCIDENT: INSTRUMENT ID	"EXPLOSIVES"
7. INCIDENT: INSTRUMENT TYPE	EXPLOSIVE: "EXPLOSIVES"
8. PERP: INCIDENT CATEGORY	TERRORIST ACT
9. PERP: INDIVIDUAL ID	"GUERRILLAS"
10. PERP: ORGANIZATION ID	"FMLN" / "FARABUNDO MARTI NATIONAL
LIBERATION FRONT"	
11. PERP: ORGANIZATION CONFIDENCE	SUSPECTED OR ACCUSED BY AUTHORITIES:
"FMLN" / "FARABUNDO MARTI NATIONAL LIBERATION FRONT"	
12. PHYS TGT: ID	"MERINO'S HOME"
13. PHYS TGT: TYPE	GOVERNMENT OFFICE OR RESIDENCE: "MERINO'S
HOME"	
14. PHYS TGT: NUMBER	1: "MERINO'S HOME"
15. PHYS TGT: FOREIGN NATION	-
16. PHYS TGT: EFFECT OF INCIDENT	-
17. PHYS TGT: TOTAL NUMBER	-
18. HUM TGT: NAME	-
19. HUM TGT: DESCRIPTION	"CHILDREN"
	"VICE PRESIDENT'S CHILDREN"
	"15-YEAR-OLD NIECE OF MERINO'S" / "15-YEAR-
OLD NIECE"	
20. HUM TGT: TYPE	CIVILIAN: "CHILDREN"
	CIVILIAN: "VICE PRESIDENT'S CHILDREN"
	CIVILIAN: "15-YEAR-OLD NIECE OF MERINO'S" /
"15-YEAR-OLD NIECE"	
21. HUM TGT: NUMBER	7: "CHILDREN"
	4: "VICE PRESIDENT'S CHILDREN"
	1: "15-YEAR-OLD NIECE OF MERINO'S" / "15-
YEAR-OLD NIECE"	
22. HUM TGT: FOREIGN NATION	-
23. HUM TGT: EFFECT OF INCIDENT	INJURY: "15-YEAR-OLD NIECE OF MERINO'S" /
"15-YEAR-OLD NIECE"	
24. HUM TGT: TOTAL NUMBER	7