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Version 2.X BNF Message Descriptions

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C.2 BNF DESCRIPTIONS OF HL7 VERSION 2.X ABSTRACT MESSAGES

C.2.1 Message Structures

```
/*-- MessageStructures --*/
MessageStructure :=
     ACK
   | ADT_A01
   | ADT_A02
   ADT A03
   | ADT A05
   | ADT A06
   ADT A09
   ADT A12
   | ADT A15
   | ADT A16
   | ADT A17
   | ADT A20
     ADT A21
     ADT A24
     ADT A37
     ADT A38
   | ADT A39
   ADT A43
   | ADT A44
   ADT_A45
     ADT A50
     ADT_A52
   ADT A54
   | ADT_A60
   | ADT A61
     BAR P01
     BAR P02
     BAR P05
     BAR P06
     BAR P10
   BAR P12
   | BPS 029
   | BRP 030
   | BRT 032
     BTS 031
     CCF_I22
     CCI_I22
     CCM I21
     CCQ I19
     CCR I16
     CCU I20
     CQU I19
     CRM C01
     CSU C09
     DBC 041
     DBC 042
     DEL 046
     DEO 045
     DER_044
     DFT P03
     DFT P11
```

	DPR_04	18
	DRC_04	
	DRG_04	
	EAC_UC	7
	EAN_UC	
	EAR_UC	
	EHC_EC	1
	EHC_EC	
	EHC_E	
	EHC_E1	
	EHC_E1	.2
	EHC_E1	
	EHC_E1	
	EHC_E2	
	EHC_E2	
	EHC_E2	
	ESR_UC	
	ESU_U	
	INR_U	
	INR_U1	
	INU_UC	
	LSU_U1	
	MDM_TC	
!	MDM_TC	
	MFK_MC	
	MFN_MC	
	MFN_MC	
	_	
 	MFN_MC	
	MFN MC	
i	MFN MC	
i	MFN M1	
i	MFN M1	
i	MFN M1	
i	MFN_M1	
i	MFN M1	
i	MFN M1	
i	MFN_M1	
i	MFN M1	. 8
i	MFN M1	
i	MFN Zr	
	NMD NO	
	OMB 02	27
	OMD O	3
	OMG_01	
	OMI_O2	
	OML_O2	
	OML_03	
	OML_O3	
	OML_O3	
	OML_O5	
	OMN_OC	
	OMP_O	
	OMQ_O5	
	OMS_O	
	OPL_03	37

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Appendix C: BNF Message Descriptions

1	OP	R	0	3	8
	OP		- R		
	OR	_	R	3	3
	OR	Α_	R		
	OR	.B_	0		
	OR	.D_	0		
	OR	.G_	0		
	OR		0		
	OR		0		
	OR		0		
	OR	_	0		
	OR		0		
	OR		0		
	OR		0		
	OR		0		
	OR		0		
	OR		0		
	OR OR		0		
	OR				
l I	OR		R		
i	OR		0		
i	OS	_	R		
i	OS	_	0		
i	OS		0		
i	OU		R	2	2
i	OU		R		
i	OU		- R		
i	PΕ		P		
j	PG		P		
	PM	U_	- В	0	1
	PM	U_	В	0	3
	PM	U_	В	0	4
	PM		В	0	7
	PM		В		
	PP	$G_{\underline{}}$	Ρ		
	PP	_	Ρ		
	PP	$R_{\underline{}}$	Ρ	С	1
	QΒ	_	Ε		
	QB		Ε		
ļ	QB	_ 	0		
	QB		0		
	QB	_ _	Q	1	3
	QB		Q	1	5
	QB QB				
	QВ		Q Q		
				7	
	QB QC			0	
i	QS		Q	1	6
i	QV		Q	1	7
i	RA		o.	1	7
i	RC		0	5	9
i	RD	_	0		
i	RD	_	0		
i	RD	_	0		
Ì	RD	_	K		

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```
| RDY Z80
  REF_I12
  RGV 015
| RPA I08
| RPI I01
  RPI I04
  RPL I02
  RPR_I03
  RQA_I08
  RQI I01
  RQP I04
  RRA 018
  RRD 014
  RRE 012
  RRE_050
  RRG 016
  RRI I12
| RSP E03
| RSP E22
 RSP K11
  RSP_K21
  RSP_K22
  RSP_K23
  RSP K25
  RSP K31
  RSP_K32
  RSP 033
  RSP_034
  RSP_Z82
  RSP Z84
  RSP Z86
| RSP Z88
RSP Z90
  RSP_Znn
  RTB K13
  RTB Knn
  RTB Z74
  SDR S31
  SDR S32
  SIU S12
  SLR_S28
  SRM_S01
  SRR_S01
  SSR U04
  SSU U03
  STC S33
  TCU_U10
```

ACK := SOM MSH ST [{ SFT ST }] [UAC ST] MSA ST [{ ERR ST }] EOM;

VXU V04

ADT_A01 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] EVN ST PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ OH1 ST }] [{ OH2 ST }] [OH3 ST] [{ OH4 ST }] [{ ARV ST }] [{ ROL ST }] [{ PRT ST }] [{ ST NK1 ST [{ GSP ST }] [{ GSR ST }] [{ OH2 ST }] [{ DH3 ST] }] ST PV1 ST [PV2 ST] [{ ARV ST }] [{ ROL ST }] [{ PRT ST }] [{ DB1 ST }] [{ ST OBX ST [{ PRT ST }] }] ST [{ AL1 ST }] [{ IAM ST }] [{ DG1 ST }] [DRG ST] [{ ST PR1 ST [{ ROL ST }] [{ PRT ST }] }] ST [{ ST IN1 ST [IN2 ST] [{ IN3 ST }] [{ GSP ST }] [{ GSR ST }]] ST [{ ST IN1 ST [IN2 ST] [{ PRT ST }] }] ST [{ ST RF1 ST [{ PRT ST }]] ST [{ ST AUT ST [{ UB2 ST] [PDA ST] EOM;

ADT_A02 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] EVN ST PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ OH1 ST }] [{ OH2 ST }] [OH3 ST] [{ OH4 ST }] [{ ARV ST }] [{ ROL ST }] [{ ROL ST }] [{ BPT ST }] [

ADT_A03 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] EVN ST PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ OH1 ST }] [{ OH2 ST }] [OH3 ST] [{ OH4 ST }] [{ ARV ST }] [{ ROL ST }] [{ PRT ST }] [{ ST NK1 ST [{ GSP ST }] [{ GSR ST }] [{ OH2 ST }] [{ ARV ST }] [{ ARV ST }] [{ ARV ST }] [{ ROL ST }] [{ DR3 ST }] [{ DR4 ST }] [{ DR5 ST }] [{ ST PR1 ST [{ ROL ST }] [{ PRT ST }]]] ST [{ ST OBX ST [{ PRT ST }] }] ST [{ ST IN1 ST [IN2 ST] [{ IN3 ST }] [{ GSP ST }] [{ GSR ST }] [{ ROL ST }] [{ PRT ST }] [{ ST AUT ST [{ PRT ST }] }] ST [{ ST RF1 ST [{ PRT ST }] }] ST [ACC ST] [PDA ST] EOM;

ADT_AO5 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] EVN ST PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ OH1 ST }] [{ OH2 ST }] [OH3 ST] [{ OH4 ST }] [{ ARV ST }] [{ ROL ST }] [{ PRT ST }] [{ ST NK1 ST [{ GSP ST }] [{ GSR ST }] [{ OH2 ST }] [OH3 ST] }] ST PV1 ST [PV2 ST] [{ ARV ST }] [{ ROL ST }] [{ PRT ST }] [{ DB1 ST }] [{ ST OBX ST [{ PRT ST }] }] ST [{ AL1 ST }] [{ IAM ST }] [{ DG1 ST }] [DRG ST] [{ ST PR1 ST [{ ROL ST }] [{ PRT ST }] }] ST [{ ST IN1 ST [IN2 ST] [{ IN3 ST }] [{ GSP ST }] [{ GSR ST }] [{ ROL ST }] [{ PRT ST }] [{ ST AUT ST [{ PRT ST }] }] ST [{ ST RF1 ST [{ PRT ST }] }] ST [ACC ST] [UB1 ST] [UB2 ST] EOM;

ADT_A06 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] EVN ST PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ OH1 ST }] [{ OH2 ST }] [OH3 ST] [{ OH4 ST }] [{ ARV ST }] [{ ROL ST }] [{ PRT ST }] [MRG ST] [{ ST NK1 ST [GSP ST }] [{ GSR ST }] [{ OH2 ST }] [OH3 ST]] ST PV1 ST [PV2 ST] [{ ARV ST }] [{ PRT ST }] [{ DB1 ST }] [{ ST OBX ST [{ PRT ST }] }] ST [{ AL1 ST }] [{ IAM ST }] [{ DG1 ST }] [DRG ST] [{ ST PR1 ST [{ ROL ST }] [{ PRT ST }] }] ST [{ ST IN1 ST [IN2 ST] [{ IN3 ST }] [{ GSP ST }] [{ GSR ST }]]] ST [{ ST IN1 ST [IN2 ST] [{ IN3 ST }] [{ GSP ST }] [{ ROL ST }] [{ PRT ST }] }] ST [{ ACC ST] [UB1 ST] [UB2 ST] EOM;

ADT_A09 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] EVN ST PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] PV1 ST [PV2 ST] [{ DB1 ST }] [{ ST OBX ST [{ PRT ST }] }] ST EOM;

ADT_A12 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] EVN ST PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] PV1 ST [PV2 ST] [{ DB1 ST }] [{ ST OBX ST [{ PRT ST }] }] ST EOM;

ADT_A15 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] EVN ST PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ ARV ST }] [{ ROL ST }] [{ PRT ST }] PV1 ST [PV2 ST] [{ ARV ST }] [{ ROL ST }] { PRT ST } [{ DB1 ST }] [{ ST OBX ST [{ PRT ST }] }] ST EOM;

ADT_A16 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] EVN ST PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ OH1 ST }] [{ OH2 ST }] [OH3 ST] [{ OH4 ST }] [{ ARV ST }] [{ ROL ST }] [{ PRT ST }] [{ ST NK1 ST [{ GSP ST }] [{ GSR ST }] [{ OH2 ST }] [OH3 ST] }] ST PV1 ST [PV2 ST] [{ ARV ST }] [{ ROL ST }] [{ PRT ST }] [{ DB1 ST }] [{ ST OBX ST [{ PRT ST }] }] ST [{ AL1 ST }] [{ IAM ST }] [{ DG1 ST }] [DRG ST] [{ ST PR1 ST [{ ROL ST }] [{ PRT ST }] }] ST [{ ST IN1 ST [IN2 ST] [{ IN3 ST }] [{ GSP ST }] [{ GSR ST }] [{ ROL ST }] [{ PRT ST }] [{ ST AUT ST [{ PRT ST }] }] ST [{ ST RF1 ST [{ PRT ST }] }] ST [ACC ST] EOM;

ADT_A17 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] EVN ST PID ST [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [PD1 ST] PV1 ST [PV2 ST] [{ DB1 ST }] [{ ST OBX ST [{ PRT ST }] }] ST PID ST [PD1 ST] PV1 ST [PV2 ST] [{ DB1 ST }] [{ ST OBX ST [{ PRT ST }] }] ST EOM;

ADT_A20 := SOM MSH ST [{ SFT ST }] [UAC ST] EVN ST NPU ST EOM;

ADT_A21 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] EVN ST PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] PV1 ST [PV2 ST] [{ DB1 ST }] [{ ST OBX ST [{ PRT ST }] }] ST EOM;

ADT_A24 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] EVN ST PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [PV1 ST] [{ DB1 ST }] PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [PV1 ST] [{ DB1 ST }] EOM;

ADT_A37 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] EVN ST PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [PV1 ST] [{ DB1 ST }] PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [PV1 ST] [{ DB1 ST }] EOM;

ADT_A38 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] EVN ST PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] PV1 ST [PV2 ST] [{ DB1 ST }] [{ ST OBX ST [{ PRT ST }] }] ST [{ DG1 ST }] [DRG ST] EOM;

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ADT A39 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] EVN ST { ST PID ST
[ PD1 ST ] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] MRG ST [ PV1 ST ] } ST EOM;
ADT A43 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] EVN ST { ST PID ST
[ PD1 ST ] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] MRG ST } ST EOM;
ADT A44 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] EVN ST { ST PID ST
[ PD1 ST ] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ ARV ST }] MRG ST } ST
EOM;
ADT A45 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] EVN ST PID ST [ PD1
ST | [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] { ST MRG ST PV1 ST } ST EOM;
ADT A50 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] EVN ST PID ST [ PD1
ST ] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] MRG ST PV1 ST EOM;
ADT A52 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] EVN ST PID ST [ PD1
ST ] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] PV1 ST [ PV2 ST ] EOM;
ADT A54 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] EVN ST PID ST [ PD1
ST ] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ ROL ST }] [{ PRT ST }] PV1 ST [
PV2 ST ] [{ ROL ST }] [{ PRT ST }] EOM;
ADT A60 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] EVN ST PID ST [{
GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ ARV ST }] [ ST PV1 ST [ PV2 ST ] [{ ARV
ADT A61 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] EVN ST PID ST [ PD1
ST ] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ ROL ST }] [{ PRT ST }] PV1 ST
[{ ROL ST }] [{ PRT ST }] [ PV2 ST ] EOM;
BAR P01 := SOM MSH ST [{ SFT ST }] [ UAC ST ] EVN ST PID ST [ PD1 ST ] [{ GSP
ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ ROL ST }] { ST PV1 ST [ PV2 ST
] [{ PRT ST }] [{ ROL ST }] [{ DB1 ST }] [{ OBX ST }] [{ PRT ST }] [{ AL1 ST
}] [{ ST DG1 ST }] ST [ DRG ST ] [{ ST PR1 ST [{ PRT ST }] [{ ROL ST }] }] ST
[{ GT1 ST }] [{ GSP ST }] [{ GSR ST }] [{ NK1 ST }] [{ GSP ST }] [{ GSR ST }]
[{ ST IN1 ST [{ GSP ST }] [{ GSR ST }] [ IN2 ST ] [{ IN3 ST }] [{ PRT ST }] [{
ROL ST ]] ST [ ACC ST ] [ UB1 ST ] [ UB2 ST ] } ST EOM;
BAR PO2 := SOM MSH ST [{ SFT ST }] [ UAC ST ] EVN ST { ST PID ST [ PD1 ST ] [{
PRT ST }] [ PV1 ST ] [{ DB1 ST }] } ST EOM;
BAR P05 := SOM MSH ST [{ SFT ST }] [ UAC ST ] EVN ST PID ST [ PD1 ST ] [{ GSP
ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ ROL ST }] { ST PV1 ST [ PV2 ST
] [{ PRT ST }] [{ ROL ST }] [{ DB1 ST }] [{ OBX ST }] [{ PRT ST }] [{ AL1 ST
```

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[{ GT1 ST }] [{ GSP ST }] [{ GSR ST }] [{ NK1 ST }] [{ GSP ST }] [{ GSR ST }]
[{ ST IN1 ST [{ GSP ST }] [{ GSR ST }] [ IN2 ST ] [{ IN3 ST }] [{ PRT ST }] [{
ROL ST }] }] ST [ ACC ST ] [ UB1 ST ] [ UB2 ST ] [ ABS ST ] [{ BLC ST }] [ RMI
ST ] } ST EOM;
BAR P06 := SOM MSH ST [{ SFT ST }] [ UAC ST ] EVN ST { ST PID ST [{ PRT ST }]
[ PV1 ST ] } ST EOM;
BAR P10 := SOM MSH ST [{ SFT ST }] [ UAC ST ] EVN ST PID ST [{ PRT ST }] PV1
ST [{ ST DG1 ST }] ST GP1 ST [{ ST PR1 ST [ GP2 ST ] }] ST EOM;
BAR P12 := SOM MSH ST [{ SFT ST }] [ UAC ST ] EVN ST PID ST [{ PRT ST }] PV1
ST [{ ST DG1 ST }] ST [ DRG ST ] [{ ST PR1 ST [{ PRT ST }] [{ ROL ST }] }] ST
[ OBX ST ] [{ PRT ST }] EOM;
BPS 029 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] [{ NTE ST }] [ ST
PID ST [ PD1 ST ] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ ARV
ST }] [{ NTE ST }] [ ST PV1 ST [ PV2 ST ] [{ PRT ST }] ] ST ] ST { ST ORC ST
[{ PRT ST }] [{ ST TQ1 ST [{ TQ2 ST }] }] ST BPO ST [{ NTE ST }] [{ ST BPX ST
[{ NTE ST }] }] ST } ST EOM;
BRP 030 := SOM MSH ST MSA ST [{ ARV ST }] [{ ERR ST }] [{ SFT ST }] [ UAC ST ]
[{ NTE ST }] [ ST [ ST PID ST [{ PRT ST }] [{ ARV ST }] [{ ST ORC ST [{ PRT ST
EOM;
BRT 032 := SOM MSH ST MSA ST [{ ARV ST }] [{ ERR ST }] [{ SFT ST }] [ UAC ST ]
[{ NTE ST }] [ ST [ST PID ST [{ PRT ST }] [{ ARV ST }] ] ST [{ ST ORC ST [{
PRT ST }| [{ ST TO1 ST [{ TO2 ST }] }| ST [ BPO ST ] [{ BTX ST }] }] ST ] ST
EOM;
BTS 031 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] [{ NTE ST }] [ ST
PID ST [ PD1 ST ] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ NTE
ST }] [ ST PV1 ST [ PV2 ST ] [{ PRT ST }] ] ST ] ST { ST ORC ST [{ PRT ST }]
[{ ST TQ1 ST [{ TQ2 ST }] }] ST BPO ST [{ NTE ST }] [{ ST BTX ST [{ NTE ST }]
}] ST } ST EOM;
CCF I22 := SOM MSH ST [{ SFT ST }] [ UAC ST ] PID ST [{ GSP ST }] [{ GSR ST }]
[{ GSC ST }] EOM;
CCI I22 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MSA ST [{ ERR ST }] PID ST [ PD1
ST ] EOM;
CCM I21 := SOM MSH ST [{ SFT ST }] [ UAC ST ] PID ST [ PD1 ST ] EOM;
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CCQ I19 := SOM MSH ST [{ SFT ST }] [ UAC ST ] RF1 ST [{ ST PRD ST [{ CTD ST }]
} | ST [{ REL ST } ] EOM;
CCR I16 := SOM MSH ST [{ SFT ST }] [ UAC ST ] { RF1 ST } { ST PRD ST [{ CTD ST
\}] ST [{ ST ORC ST [{ ST TQ1 ST [{ TQ2 ST }] }] ST { ST < ST OBR ST [{ PRT ORC ST [{ PRT ORC ST [{ PRT ORC ST [{ PRT ORC ST ORC ST [{ PRT O
ST }] | ST RXO ST [{ PRT ST }] | ST ODS ST PR1 ST > ST [{ ST OBX ST [{ PRT ST
CCU I20 := SOM MSH ST [{ SFT ST }] [ UAC ST ] RF1 ST [{ ST PRD ST [{ CTD ST }]
} ST [{ ST PID ST [ PD1 ST ] EOM;
CQU I19 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MSA ST [{ ERR ST }] RF1 ST [{ ST
PRD ST [{ CTD ST }] }] ST [{ ST PID ST [ PD1 ST ] EOM;
CRM CO1 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] { ST PID ST [{ GSP }] } 
ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ ARV ST }] [ ST PV1 ST [{ PRT
ST }] | ST CSR ST [{ CSP ST }] } ST EOM;
CSU C09 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] { ST PID ST [ PD1
ST ] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ ARV ST }] [{ NTE
ST }] [ ST PV1 ST [ PV2 ST ] [{ PRT ST }] ] ST CSR ST { ST [ CSP ST ] { ST [
CSS ST ] { ST [ ST ORC ST [{ PRT ST }] ] ST OBR ST [{ PRT ST }] [{ ST TQ1 ST
[{ TQ2 ST }] }] ST OBX ST [{ PRT ST }] } ST { ST [ ST ORC ST [{ PRT ST }] ] ST
{ ST RXA ST RXR ST [{ PRT ST }] } ST } ST } ST } ST } ST } ST 
DBC O41 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] [ ST PID ST [ PD1
ST ] [{ PRT ST }] [{ ST OBX ST [{ PRT ST }] }] ST [{ NTE ST }] [{ ARV ST }] [{
AL1 ST } ] ST EOM;
DBC 042 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] [ ST PID ST [ PD1
ST ] [{ PRT ST }] [{ ST OBX ST [{ PRT ST }] }] ST [{ NTE ST }] [{ AL1 ST }] [{
ARV ST }] ] ST EOM;
DEL O46 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] [ ST PID ST [ PD1
ST ] [{ PRT ST }] [{ ST OBX ST [{ PRT ST }] }] ST [{ NTE ST }] [{ AL1 ST }] [{
ARV ST }] [ ST PV1 ST [{ PRT ST }] [{ NTE ST }] ] ST ] ST DON ST [{ NTE ST }]
EOM;
DEO 045 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] [ ST PID ST [{ PRT
ST }] [{ ST OBX ST [{ PRT ST }] }] ST [{ ARV ST }] [{ NTE ST }] [ ST PV1 ST [{
PRT ST }] [{ NTE ST }] ] ST ] ST { ST OBR ST [{ PRT ST }] [{ NTE ST }] [{ ST
OBX ST [{ PRT ST }] [{ NTE ST }] }] ST } ST EOM;
DER 044 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] [ ST PID ST [ PD1
ST ] [{ PRT ST }] [{ ST OBX ST [{ PRT ST }] }] ST [{ NTE ST }] [{ AL1 ST }] [{
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ARV ST }] [ST PV1 ST [{ PRT ST }] [{ NTE ST }]] ST] ST { ST OBR ST [{ PRT ST }] [{ NTE ST }] } ST EOM;

DFT_P11 := SOM MSH ST [{ SFT ST }] [UAC ST] EVN ST PID ST [{ PRT ST }] [PD1
ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ ROL ST }] [{ ST [
PV1 ST] [PV2 ST] [{ PRT ST }] [{ ROL ST }]] ST [{ DB1 ST }] [{ ST ORC ST
[{ PRT ST }] [{ ST TQ1 ST [{ TQ2 ST }] }] ST [{ ST OBR ST [{ PRT ST }] [{ NTE
ST }]] ST [{ ST OBX ST [{ PRT ST }] [{ NTE ST }]] ST] ST [{ ST DG1 ST }]
ST [DRG ST] [{ GT1 ST }] [{ GSP ST }] [{ GSR ST }] [{ ST IN1 ST [{ GSP ST }]
[{ GSR ST }] [IN2 ST] [{ IN3 ST }] [{ PRT ST }] [{ ROL ST }] }] ST [{ ROL ST }]
}] ST [{ ST OBX ST [{ PRT ST }] [{ NTE ST }]] ST [{ ST OBR ST [{ PRT ST }]
[{ NTE ST }] [{ ST OBX ST [{ PRT ST }] [{ NTE ST }]] ST [{ ST ORC ST [{ PRT ST }] [{ NTE ST }]] ST [{ ST ORC ST [{ PRT ST }] [{ NTE ST }]] ST [{ ST OBC ST [{ PRT ST }] [{ NTE ST }]] ST [{ ST OBC ST [{ PRT ST }] [{ NTE ST }]] ST [{ ST OBC ST [{ PRT ST }] [{ NTE ST }]] ST [{ ST OBC ST [{ PRT ST }] [{ NTE ST }]] ST [{ ST OBC ST [{ PRT ST }] [{ NTE ST }]] ST [{ ST OBC ST [{ PRT ST }] [{ NTE ST }]] ST [{ ST DG1 ST }] ST [{ ST DG1 ST }] ST [{ DRG ST] [{ GSP ST }] [{ GSR ST }] [{ GSP ST }] [{ GSR ST }] [{ ROL ST }]] ST [{ ST DG1 ST }] ST [{ GSP ST }] [{ GSR ST }] [{ ROL ST }]] ST ST ST EOM;

DPR_O48 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] [ST PID ST [PD1
ST] [{ PRT ST }] [{ ST OBX ST [{ PRT ST }] }] ST [{ NTE ST }] [{ AL1 ST }] [{
ARV ST }] [ST PV1 ST [{ PRT ST }] [{ NTE ST }]] ST] ST { ST OBR ST [{ PRT
ST }] [{ NTE ST }] } ST [ST DON ST [{ ST OBX ST [{ PRT ST }] }] ST [{ NTE ST
}] [ST [{ BUI ST }] [{ NTE ST }]] ST] ST EOM;

DRC_O47 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] [ST PID ST [PD1
ST] [{ PRT ST }] [{ ST OBX ST [{ PRT ST }] }] ST [{ NTE ST }] [{ AL1 ST }] [{
ARV ST }] [ST PV1 ST [{ PRT ST }] [{ NTE ST }]] ST] ST { ST OBR ST [{ PRT ST }] [{ NTE ST }] } ST EOM;

DRG_O43 := SOM MSH ST [{ SFT ST }] [UAC ST] [ST PID ST [PD1 ST] [{ PRT ST }]] [{ ST OBX ST [{ PRT ST }] }] ST [{ NTE ST }] [{ AL1 ST }] [{ ARV ST }] [ST PV1 ST [{ PRT ST }] [{ NTE ST }]] ST] ST EOM;

EAC_U07 := SOM MSH ST [{ SFT ST }] [UAC ST] EQU ST { ST ECD ST [TQ1 ST] [{
ST SAC ST [{ ST [{ OBR ST }] [{ PRT ST }] }] ST [{ SPM ST }] [{ DST ST }] }]
ST [CNS ST] } ST [ROL ST] EOM;

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EAN U09 := SOM MSH ST [{ SFT ST }] [ UAC ST ] EQU ST { ST NDS ST [ NTE ST ] }
ST [ ROL ST ] EOM;
EAR U08 := SOM MSH ST [{ SFT ST }] [ UAC ST ] EQU ST { ST ECD ST [ ST SAC ST
[{ SPM ST }] ] ST ECR ST } ST [ ROL ST ] EOM;
EHC E01 := SOM MSH ST [{ SFT ST }] [{ UAC ST }] < ST IVC ST [ PYE ST ] [{ CTD
ST }] [ AUT ST ] [{ LOC ST }] [{ PRT ST }] [{ ROL ST }] { ST PSS ST { ST PSG
ST [{ LOC ST }] [{ PRT ST }] [{ ROL ST }] [{ ST PID ST [{ GSP ST }] [{ GSR ST
}] [{ GSC ST }] [{ PRT ST }] [ PV1 ST ] [ PV2 ST ] [{ ACC ST }] { ST IN1 ST [{
GSP ST }] [{ GSR ST }] [ IN2 ST ] } ST [{ ST DG1 ST [{ NTE ST }] }] ST [{ OBX
ST }] [{ PRT ST }] }] ST { ST PSL ST [{ NTE ST }] [{ ADJ ST }] [ AUT ST ] [{
LOC ST }] [{ PRT ST }] [{ ROL ST }] } ST [{ ST PR1 ST [{ NTE ST }] [{ PRT ST
}] [{ ROL ST }] }] ST [{ IPR ST }] } ST > ST > EOM;
EHC E02 := SOM MSH ST [{ SFT ST }] [{ UAC ST }] < ST IVC ST PYE ST [{ CTD ST
}] [{ NTE ST }] [{ ST PSS ST [{ ST PSG ST [{ PSL ST }] }] ST }] ST > ST EOM;
EHC E04 := SOM MSH ST [{ SFT ST }] [{ UAC ST }] < ST IVC ST [{ NTE ST }] [{ ST
PSS ST [{ ST PSG ST [{ PSL ST }] }] ST }] ST > ST EOM;
EHC E10 := SOM MSH ST [{ SFT ST }] [{ UAC ST }] MSA ST [{ ERR ST }] { ST IPR
ST \overline{\ [ \{ \ NTE \ ST \ \} ] } PYE ST IN1 ST [\{ \ GSP \ ST \ \} ] [\{ \ GSR \ ST \ \} ] [ \ IN2 \ ST \ ] IVC ST \{ \ ST \ \} ]
PSS ST { ST PSG ST { ST PSL ST [{ ADJ ST }] } ST } ST } ST } ST EOM;
EHC E12 := SOM MSH ST [{ SFT ST }] [{ UAC ST }] RFI ST [{ CTD ST }] IVC ST PSS
ST PSG ST [ PID ST ] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{
PSL ST }] { ST [ CTD ST ] OBR ST [{ PRT ST }] [ NTE ST ] [{ OBX ST }] [{ PRT
ST } ] ST EOM;
EHC E13 := SOM MSH ST [{ SFT ST }] [{ UAC ST }] MSA ST [{ ERR ST }] RFI ST [{
CTD ST }] IVC ST PSS ST PSG ST [ PID ST ] [{ GSP ST }] [{ GSR ST }] [{ GSC ST
}] [{ PRT ST }] [ PSL ST ] { ST [ CTD ST ] OBR ST [{ PRT ST }] [ NTE ST ] { ST
OBX ST [{ PRT ST }] [ NTE ST ] [ TXA ST ] } ST } ST EOM;
EHC E15 := SOM MSH ST [{ SFT ST }] [{ UAC ST }] < ST PMT ST PYE ST > ST [{ ST
IPR ST IVC ST { ST PSS ST { ST PSG ST { ST PSL ST [{ ADJ ST }] } ST } ST } ST
}] ST [{ ST ADJ ST [ PRT ST ] [ ROL ST ] }] ST EOM;
EHC E20 := SOM MSH ST [{ SFT ST }] [{ UAC ST }] < ST IVC ST { CTD ST } [{ LOC
ST }] [{ ROL ST }] { ST PID ST [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT
ST }] [{ ACC ST }] { ST IN1 ST [{ GSP ST }] [{ GSR ST }] [ IN2 ST ] } ST [{ ST
DG1 ST [{ NTE ST }] }] ST [{ OBX ST }] [{ PRT ST }] } ST { ST PSL ST [{ NTE ST
}] [{ ADJ ST }] [{ LOC ST }] [{ PRT ST }] [{ ROL ST }] } ST > ST EOM;
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EHC E21 := SOM MSH ST [{ SFT ST }] [{ UAC ST }] < ST IVC ST { ST PSL ST [{ NTE
EHC E24 := SOM MSH ST [{ SFT ST }] [{ UAC ST }] MSA ST [{ ERR ST }] < ST IVC
ST { ST PSL ST [ AUT ST ] [{ ADJ ST }] } ST > ST EOM;
ESR U02 := SOM MSH ST [{ SFT ST }] [ UAC ST ] EQU ST [ ROL ST ] EOM;
ESU U01 := SOM MSH ST [{ SFT ST }] [ UAC ST ] EOU ST [{ ISD ST }] [ ROL ST ]
EOM:
INR U06 := SOM MSH ST [{ SFT ST }] [ UAC ST ] EQU ST { INV ST } [ ROL ST ]
EOM;
INR U14 := SOM MSH ST [{ SFT ST }] [ UAC ST ] EQU ST [{ INV ST }] EOM;
INU U05 := SOM MSH ST [{ SFT ST }] [ UAC ST ] EQU ST { INV ST } [ ROL ST ]
EOM;
LSU U12 := SOM MSH ST [{ SFT ST }] [ UAC ST ] EQU ST { EQP ST } [ ROL ST ]
EOM;
MDM T01 := SOM MSH ST [{ SFT ST }] [ UAC ST ] EVN ST PID ST [{ GSP ST }] [{
GSR ST }] [{ GSC ST }] [{ PRT ST }] PV1 ST [{ PRT ST }] [{ ST ORC ST [{ PRT ST
}] [{ ST TQ1 ST [{ TQ2 ST }] }] ST OBR ST [{ PRT ST }] [{ NTE ST }] }] ST TXA
ST [{ CON ST }] EOM;
MDM T02 := SOM MSH ST [{ SFT ST }] [ UAC ST ] EVN ST PID ST [{ GSP ST }] [{
GSR ST }] [{ GSC ST }] [{ PRT ST }] PV1 ST [{ PRT ST }] [{ ST ORC ST [{ PRT ST
}] [{ ST TQ1 ST [{ TQ2 ST }] }] ST OBR ST [{ PRT ST }] [{ NTE ST }] }] ST TXA
ST [{ CON ST }] { ST OBX ST [{ PRT ST }] [{ NTE ST }] } ST EOM;
MFK M01 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MSA ST [{ ERR ST }] MFI ST [{
MFA ST }] EOM;
MFN M02 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MFI ST { ST MFE ST STF ST [{ GSP
ST }] [{ GSR ST }] [{ PRA ST }] [{ ORG ST }] [{ AFF ST }] [{ LAN ST }] [{ EDU
ST }] [{ CER ST }] [{ NTE ST }] } ST EOM;
MFN M04 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MFI ST [{ NTE ST }] { ST MFE ST
[{ NTE ST }] CDM ST [{ NTE ST }] [{ PRC ST }] } ST EOM;
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MFN M05 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MFI ST { ST MFE ST LOC ST [{ LCH
ST }] [{ LRL ST }] { ST LDP ST [{ LCH ST }] [{ LCC ST }] } ST } ST EOM;
MFN M06 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MFI ST { ST MFE ST CM0 ST [{ ST
CM1 ST [{ CM2 ST }] }] ST } ST EOM;
MFN M07 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MFI ST { ST MFE ST CM0 ST [{ CM2
ST  } ] } ST = EOM;
MFN M08 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MFI ST { ST MFE ST OM1 ST [{ OMC
ST }] [{ PRT ST }] [ OM2 ST ] [ OM3 ST ] [{ OM4 ST }] } ST EOM;
MFN M09 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MFI ST { ST MFE ST OM1 ST [{ OMC
ST }] [{ PRT ST }] [ ST OM3 ST [{ OM4 ST }] ] ST } ST EOM;
MFN M10 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MFI ST { ST MFE ST OM1 ST [{ OMC
ST }] [{ PRT ST }] [ ST OM5 ST [{ OM4 ST }] ] ST } ST EOM;
MFN M11 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MFI ST { ST MFE ST OM1 ST [{ OMC
ST }] [{ PRT ST }] [ ST OM6 ST OM2 ST ] ST } ST EOM;
MFN M12 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MFI ST { ST MFE ST OM1 ST [{ PRT
ST }] [ ST OM7 ST [{ PRT ST }] ] ST } ST EOM;
MFN M13 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MFI ST { MFE ST } EOM;
MFN M15 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MFI ST { ST MFE ST IIM ST } ST
EOM;
MFN M16 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MFI ST { ST MFE ST ITM ST [{ NTE
ST }] [{ ST STZ ST [{ NTE ST }] }] ST [{ ST VND ST [{ ST PKG ST [{ PCE ST }]
}] ST }] ST [{ ST IVT ST [{ ILT ST }] [{ NTE ST }] }] ST } ST EOM;
MFN M17 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MFI ST { ST MFE ST DMI ST } ST
EOM;
MFN M18 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MFI ST { ST MFE ST { ST PM1 ST {
ST MCP ST [{ DPS ST }] } ST } ST } ST EOM;
MFN M19 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MFI ST { ST MFE ST CTR ST [{ NTE
ST } { ST ITM ST { ST VND ST [{ ST PKG ST }] ST } ST } ST } ST EOM;
```

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Appendix C: BNF Message Descriptions
MFN Znn := SOM MSH ST [{ SFT ST }] [ UAC ST ] MFI ST { ST MFE ST Hxx ST } ST
EOM;
NMD NO2 := SOM MSH ST [{ SFT ST }] [ UAC ST ] { ST [ ST NCK ST [{ NTE ST }] ]
ST [ ST NST ST [{ NTE ST }] ] ST [ ST NSC ST [{ NTE ST }] ] ST } ST EOM;
OMB 027 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] [{ NTE ST }] [ ST
PID ST [ PD1 ST ] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ ARV
ST }] [{ NTE ST }] [ ST PV1 ST [ PV2 ST ] [{ PRT ST }] ] ST [{ ST IN1 ST [ IN2
ST ] [ IN3 ST ] }] ST [ GT1 ST ] [{ AL1 ST }] ] ST { ST ORC ST [{ PRT ST }] [{
ST TQ1 ST [{ TQ2 ST }] }] ST BPO ST [ SPM ST ] [{ NTE ST }] [{ DG1 ST }] [{ ST
OBX ST [{ PRT ST }] [{ NTE ST }] }] ST [{ FT1 ST }] [ BLG ST ] } ST EOM;
OMD 003 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] [{ NTE ST }] [ ST
PID ST [ PD1 ST ] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ ARV
ST }] [{ NTE ST }] [ ST PV1 ST [ PV2 ST ] [{ PRT ST }] ] ST [{ ST IN1 ST [ IN2
ST ] [ IN3 ST ] }] ST [ GT1 ST ] [{ AL1 ST }] ] ST { ST ORC ST [{ PRT ST }] [{
ST TQ1 ST [{ TQ2 ST }] }] ST [ ST { ODS ST } [{ NTE ST }] [{ ST OBX ST [{ PRT
ST }] [{ NTE ST }] }] ST ] ST } ST [{ ST ORC ST [{ PRT ST }] [{ ST TQ1 ST [{
TQ2 ST }] }] ST { ODT ST } [{ NTE ST }] }] ST EOM;
OMG O19 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] [{ NTE ST }] [ ST
PID ST [ PD1 ST ] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [ ST [{
OH1 ST }] [{ OH2 ST }] [ OH3 ST ] [{ OH4 ST }] ] ST [{ NTE ST }] [{ ST NK1 ST
[{ GSP ST }] [{ GSR ST }] [{ OH2 ST }] [ OH3 ST ] }] ST [{ ARV ST }] [ ST PV1
```

ST [PV2 ST] [{ PRT ST }]] ST [{ ST IN1 ST [IN2 ST] [IN3 ST] }] ST [GT1 ST] [{ AL1 ST }]] ST { ST ORC ST [{ NTE ST }] [{ PRT ST }] [{ ST TQ1 ST [{ TQ2 ST }] }] ST OBR ST [{ NTE ST }] [{ PRT ST }] [CTD ST] [{ DG1 ST }] [REL ST] [{ ST OBX ST [{ PRT ST }] [{ NTE ST }] }] ST [{ ST SPM ST [{ NTE ST }] [{ ST OBX ST [{ PRT ST }] }] ST [{ ST SAC ST [{ NTE ST }] [{ ST OBX ST [{ PRT ST GSR ST }] [{ GSC ST }] [{ ARV ST }] [{ PRT ST }]] ST [ST PV1 ST [PV2 ST] TQ2 ST }] }] ST [{ NTE ST }] [{ ST PRT ST [{ DEV ST }] }] ST [CTD ST] { ST OBX ST [{ PRT ST }] [{ NTE ST }] } ST } ST }] ST [SGT ST] [{ FT1 ST }] [{ CTI ST }] [BLG ST] } ST [{ ST DEV ST [{ OBX ST }] }] ST EOM;

OMI 023 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] [{ NTE ST }] [ST PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [ST [{ OH1 ST }] [{ OH2 ST }] [OH3 ST] [{ OH4 ST }]] ST [{ ARV ST }] [{ NTE ST }] [ST PV1 ST [PV2 ST] [{ PRT ST }]] ST [{ ST IN1 ST [IN2 ST] [IN3 ST] }] ST [GT1 ST] [{ AL1 ST }] | ST { ST ORC ST [{ PRT ST }] [{ ST TQ1 ST [{ TQ2 ST }] }] ST OBR ST [{ NTE ST }] [{ PRT ST }] [CTD ST] [{ DG1 ST }] [REL ST] [{ ST OBX ST [{ PRT ST }] [{ NTE ST }] }] ST { IPC ST } ST [{ ST DEV ST [{ OBX ST }] }] ST EOM;

OML O21 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] [{ NTE ST }] [ST PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [ST [{ OH1 ST }] [{ OH2 ST }] [OH3 ST] [{ OH4 ST }]] ST [{ NTE ST }] [{ ST NK1 ST [{ GSP ST }] [{ GSR ST }] [{ OH2 ST }] [OH3 ST] }] ST [{ ARV ST }] [ST PV1

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ST [PV2 ST] [{ PRT ST }]] ST [{ ST IN1 ST [IN2 ST] [IN3 ST] }] ST [GT1 ST] [{ AL1 ST }]] ST { ST ORC ST [{ NTE ST }] [{ PRT ST }] [{ ST TQ1 ST [{ TQ2 ST }] }] ST [ST OBR ST [TCD ST] [{ NTE ST }] [{ PRT ST }] [CTD ST] [{ DG1 ST }] [REL ST] [{ ST OBX ST [{ PRT ST }] [TCD ST] [{ NTE ST }] }] ST [{ ST SPM ST [{ NTE ST }] [{ ST OBX ST [{ PRT ST }] }] ST [{ ST SAC ST [{ NTE ST }] }] ST [{ ST OBX ST [{ PRT ST }] }] ST [SGH ST] [{ ST EXAC ST [{ NTE ST }] }] ST [ST PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ ARV ST }]] ST [ST PV1 ST [PV2 ST] [{ PRT ST }]] ST [{ AL1 ST }] \$T ORC ST [{ PRT ST }] OBR ST [{ NTE ST }] [{ ST PRT ST [{ DEV ST }] }] ST [{ ST TQ1 ST [{ TQ2 ST }] }] ST [{ ST OBX ST [{ PRT ST }] [{ NTE ST }] }] ST [{ ST DEV ST [{ OBX ST [{ OBX ST }] }] ST [{ ST DEV ST [{ OBX ST [{ OBX

OML_O33 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] [{ NTE ST }] [ST
PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [ST [{
OH1 ST }] [{ OH2 ST }] [OH3 ST] [{ OH4 ST }]] ST [{ NTE ST }] [{ ST NK1 ST
[{ GSP ST }] [{ GSR ST }] [{ OH2 ST }] [OH3 ST] }] ST [{ ARV ST }] [ST PV1
ST [PV2 ST] [{ PRT ST }]] ST [{ ST IN1 ST [IN2 ST] [IN3 ST] }] ST [GT1
ST] [{ AL1 ST }]] ST { ST SPM ST [{ NTE ST }] [{ ST OBX ST [{ PRT ST }] }]
ST [{ ST SAC ST [{ NTE ST }] }] ST { ST ORC ST [{ NTE ST }] [{ PRT ST }] [{ ST
TQ1 ST [{ TQ2 ST }] }] ST [ST OBX ST [TCD ST] [{ NTE ST }] [{ PRT ST }] [{
DG1 ST }] [REL ST] [{ ST OBX ST [{ PRT ST }] [TCD ST] [{ GSP ST }] [{ GSR ST }] [{
GSC ST }] [{ PRT ST }] [{ ARV ST }]] ST [ST PV1 ST [PV2 ST] [{ PRT ST }]]
ST [{ AL1 ST }] { ST ORC ST [{ PRT ST }] OBR ST [{ NTE ST }] [{ ST PRT ST [{
DEV ST }] }] ST [{ ST TQ1 ST [{ TQ2 ST }] }] ST [{ ST OBX ST [{ PRT ST }] [{
NTE ST }] }] ST [{ ST DEV ST [{ OBX ST]] ST [{ FT1 ST }] [{ CTI ST }] [BLG ST]}
} ST } ST [{ ST DEV ST [{ OBX ST]] }] ST EOM;

OML_O35 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] [{ NTE ST }] [ST PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [ST [{ OH1 ST }] [{ OH2 ST }] [OH3 ST] [{ OH4 ST }]] ST [{ NTE ST }] [ST NK1 ST [{ GSP ST }] [{ GSR ST }] [{ OH2 ST }] [OH3 ST]] ST [{ ARV ST }] [ST PV1 ST [PV2 ST] [{ PRT ST }]] ST [{ ST IN1 ST [IN2 ST] [IN3 ST] }] ST [GT1 ST] [{ AL1 ST }]] ST { ST SPM ST [{ NTE ST }] [{ ST OBX ST [{ PRT ST }] }] ST { ST SAC ST [{ NTE ST }] [{ NTE ST }] [{ PRT ST }] [{ ST TQ1 ST [TQ2 ST] }] ST [ST OBR ST [TCD ST] [{ NTE ST }] [{ PRT ST }] [{ DG1 ST }] [SGH ST] [{ ST OBX ST [{ PRT ST }] [GSC ST]] [{ ST ORC ST [{ NTE ST }] [{ ST PV2 ST }] [{ ST ORC ST [{ NTE ST }] [{ ST PV3 ST }] [{ ST PV4 ST }]] ST [{ ST PV4 ST }] [{ ST PV5 ST }] [{ ST PV6 ST }] [{ ST PV7 ST }] [{ ST PV7 ST }] [{ ST PV8 ST }] [{ NTE ST }] [{ NTE ST }] [{ NTE ST }]] ST [{ ST PV8 ST }] [{ NTE ST }] [{ NTE ST }] [{ NTE ST }]] ST [{ ST PV8 ST }] [{ NTE ST }] [{ NTE ST }] [{ NTE ST }] [{ NTE ST }]] ST [{ ST PV8 ST }] [{ NTE ST }]] ST [{ ST PV8 ST }] [{ NTE ST }] [{ NTE ST }] [{ NTE ST }]] ST [{ ST PV8 ST }] ST [{ ST DEV ST [{ OBX ST }] }] ST [{ ST DEV ST [{ OBX ST }] }] ST [{ ST DEV ST [{ OBX ST }] }] ST [{ ST DEV ST [{ OBX ST }] }] ST [{ ST DEV ST [{ OBX ST }] }] ST [{ ST DEV ST [{ OBX ST }] }] ST [{ OBX ST }]] ST

OML_O39 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] [{ NTE ST }] [ST PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [ST [{ OH1 ST }] [{ OH2 ST }] [{ OH3 ST] [{ OH4 ST }]] ST [{ NTE ST }] [{ ST NK1 ST [{ GSP ST }] [{ GSR ST }] [{ OH2 ST }] [OH3 ST] }] ST [{ ARV ST }] [ST PV1 ST [PV2 ST] [{ PRT ST }]] ST [{ ST IN1 ST [IN2 ST] [IN3 ST] }] ST [GT1 ST] [{ AL1 ST }]] ST { ST ORC ST [{ NTE ST }] [{ PRT ST }] [{ ST TQ1 ST [{ TQ2 ST }] }] ST [ST OBR ST [TCD ST] [{ NTE ST }] [{ NTE ST }] [{ NTE ST }]] ST

OML_O59 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] [{ NTE ST }] [ST
PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ NTE
ST }] [{ NK1 ST }] [ST PV1 ST [PV2 ST] [{ PRT ST }]] ST [{ ST IN1 ST [IN2
ST] [IN3 ST] }] ST [GT1 ST] [{ AL1 ST }]] ST { ST ORC ST [{ NTE ST }] [{
PRT ST }] [{ ST TQ1 ST [{ TQ2 ST }] }] ST [ST OBR ST [TCD ST] [{ NTE ST }]
[{ PRT ST }] [CTD ST] [{ DG1 ST }] [REL ST] [{ ST OBX ST [{ PRT ST }] [
TCD ST] [{ NTE ST }] }] ST [{ ST SPM ST [{ NTE ST }] [{ ST OBX ST [{ PRT ST }] }] ST
}] ST [{ ST SAC ST [{ NTE ST }] [{ ST OBX ST [{ PRT ST }] }] ST }] ST
[IPC ST] [SGH ST] [{ ST [ST PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }]
[{ GSC ST }] [{ PRT ST }]] ST [{ ST PV1 ST [PV2 ST] [{ PRT ST }]] ST [{ AL1
ST }] { ST ORC ST [{ PRT ST }] OBR ST [{ NTE ST }] [{ NTE ST }] }
} ST [{ ST TQ1 ST [{ TQ2 ST }] }] ST { ST OBX ST [{ PRT ST }] [{ NTE ST }] }

OMN_OO7 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] [{ NTE ST }] [ST PID ST [PD1 ST] [{ PRT ST }] [{ ARV ST }] [{ NTE ST }] [ST PV1 ST [PV2 ST] [{ PRT ST }]] ST [{ ST IN1 ST [IN2 ST] [IN3 ST] }] ST [GT1 ST] [{ AL1 ST }]] ST { ST ORC ST [{ PRT ST }] [{ ST TQ1 ST [{ TQ2 ST }] }] ST RQD ST [RQ1 ST] [{ NTE ST }] [{ ST OBX ST [{ PRT ST }] [{ NTE ST }] }] ST [BLG ST] } ST EOM;

OMP_O09 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] [{ NTE ST }] [ST
PID ST [ST PD1 ST [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }]] ST [{
NTE ST }] [{ ARV ST }] [ST PV1 ST [PV2 ST] [{ PRT ST }] [{ ARV ST }]] ST
[{ ST IN1 ST [IN2 ST] [IN3 ST] }] ST [GT1 ST] [{ AL1 ST }]] ST { ST ORC
ST [{ ST TQ1 ST [{ TQ2 ST }] }] ST RXO ST [{ PRT ST }] [{ NTE ST }] { RXR ST }
[{ ST RXC ST [{ NTE ST }] }] ST [{ CDO ST }] [{ ST OBX ST [{ PRT ST }] [{ NTE ST }] }]

OMQ_O57 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] [{ NTE ST }] [ST
PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ NTE
ST }] [{ ST NK1 ST [{ GSP ST }] [{ GSR ST }] }] ST [{ ARV ST }] [ST PV1 ST [
PV2 ST] [{ PRT ST }]] ST [{ ST IN1 ST [IN2 ST] [IN3 ST] }] ST [GT1 ST]
[{ AL1 ST }]] ST { ST ORC ST [{ PRT ST }] OBX ST [{ PRT ST }] TXA ST [CTD ST
] [{ DG1 ST }] [{ ST OBX ST [{ PRT ST }] [{ NTE ST }] }] ST [{ ST [ST PID ST
[PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ ARV ST }]]
ST [ST PV1 ST [PV2 ST] [{ PRT ST }]] ST [{ AL1 ST }] { ST ORC ST [{ PRT ST }]
] OBR ST [{ ST TQ1 ST [{ TQ2 ST }] }] ST [{ NTE ST }] [{ ST PRT ST [{ DEV ST }] }]
] ST [CTD ST] { ST OBX ST [{ PRT ST }] [{ NTE ST }] } ST } ST }] ST [{
FT1 ST }] [{ CTI ST }] [BLG ST] } ST EOM;

OMS_OO5 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] [{ NTE ST }] [ST
PID ST [PD1 ST] [{ PRT ST }] [{ ARV ST }] [{ NTE ST }] [ST PV1 ST [PV2 ST
] [{ PRT ST }]] ST [{ ST IN1 ST [IN2 ST] [IN3 ST] }] ST [GT1 ST] [{ AL1
ST }]] ST { ST ORC ST [{ PRT ST }] [{ ST TQ1 ST [{ TQ2 ST }] }] ST RQD ST [
RQ1 ST] [{ NTE ST }] [{ ST OBX ST [{ PRT ST }] [{ NTE ST }] }] ST [BLG ST]
} ST EOM;

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```
OPL 037 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] [{ NTE ST }] { PRT
ST } [ ST GT1 ST [{ NTE ST }] ] ST { ST { NK1 ST } [ ST PID ST [ PD1 ST ] [{
GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ ARV ST }] [{ ST OBX ST [{
PRT ST }] }] ST [{ ST IN1 ST [ IN2 ST ] [ IN3 ST ] }] ST [{ AL1 ST }] ] ST {
ST SPM ST [{ ST OBX ST [{ PRT ST }] }] ST [{ ST SAC ST [{ ST OBX ST [{ PRT ST
TQ2 ST }] }] ST [ TCD ST ] [{ DG1 ST }] [{ ST OBX ST [{ PRT ST }] }] ST } ST }
ST [ SGH ST ] [ ST { NK1 ST } [ ST PID ST [ PD1 ST ] [{ GSP ST }] [{ GSR ST }]
[{ GSC ST }] [{ PRT ST }] [{ ARV ST }] ] ST [ ST PV1 ST [ PV2 ST ] [{ PRT ST
TQ1 ST [{ TQ2 ST }] ] ST { ST OBX ST [{ PRT ST }] } ST } ST ] ST [ SGT ST ] [{
FT1 ST }] [{ CTI ST }] [ BLG ST ] } ST EOM;
OPR 038 := SOM MSH ST MSA ST [{ ARV ST }] [{ ERR ST }] [{ SFT ST }] [ UAC ST ]
[{ NTE ST }] [ ST { ST { NK1 ST } [ ST PID ST [{ PRT ST }] [{ ARV ST }] ] ST
[{ ST SPM ST [{ ST OBX ST [{ PRT ST }] }] ST [{ SAC ST }] [{ ST ORC ST [{ PRT
ST }] OBR ST [{ PRT ST }] }] ST [{ ST TQ1 ST [{ TQ2 ST }] }] ST }] ST } ST }
ST EOM;
OPU R25 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] [ NTE ST ] PV1 ST [
PV2 ST ] [{ PRT ST }] [{ ST OBX ST [{ NTE ST }] [{ PRT ST }] }] ST { ST { ST
NK1 ST [{ GSP ST }] [{ GSR ST }] } ST [ ST PID ST [ PD1 ST ] [{ GSP ST }] [{
GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ OH1 ST }] [{ OH2 ST }] [ OH3 ST ] [{
OH4 ST }] [{ ARV ST }] [{ ST OBX ST [{ PRT ST }] [{ NTE ST }] }] ST ] ST { ST
SPM ST [{ ST OBX ST [{ PRT ST }] [{ NTE ST }] }] ST [{ ST SAC ST [ INV ST ] }]
ST { ST OBR ST [{ PRT ST }] [ ST ORC ST [{ PRT ST }] ] ST [{ NTE ST }] [{ PRT
ST }] [{ ST TQ1 ST [{ TQ2 ST }] }] ST { ST OBX ST [{ PRT ST }] [{ NTE ST }] }
ST } ST } ST } ST EOM;
ORA R33 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MSA ST [{ ERR ST }] [ ST ORC ST
[{ PRT ST }] ] ST EOM;
ORA R41 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MSA ST [{ ERR ST }] [{ PRT ST }]
EOM;
ORB 028 := SOM MSH ST MSA ST [{ ARV ST }] [{ ERR ST }] [{ SFT ST }] [ UAC ST ]
[{ NTE ST }] [ ST [ST PID ST [{ PRT ST }] [{ ARV ST }] [{ ST ORC ST [{ PRT ST
}] [{ ST TQ1 ST [{ TQ2 ST }] }] ST [ BPO ST ] }] ST ] ST ] ST EOM;
ORD 004 := SOM MSH ST MSA ST [{ ARV ST }] [{ ERR ST }] [{ SFT ST }] [ UAC ST ]
[{ NTE ST }] [ ST [ ST PID ST [{ PRT ST }] [{ ARV ST }] [{ NTE ST }] ] ST { ST
ORC ST [{ PRT ST }] [{ ST TQ1 ST [{ TQ2 ST }] }] ST [{ ODS ST }] [{ NTE ST }]
} ST [{ ST ORC ST [{ PRT ST }] [{ ST TQ1 ST [{ TQ2 ST }] }] ST [{ ODT ST }] [{
ORG 020 := SOM MSH ST MSA ST [{ ARV ST }] [{ ERR ST }] [{ SFT ST }] [ UAC ST ]
[{ \overline{\text{NTE}} ST }] [ ST [ ST PID ST [{ \overline{\text{NTE}} ST }] [{ \overline{\text{PRT}} ST }] [{ \overline{\text{ARV}} ST }] ] ST { \overline{\text{ST}}
```

```
ORC ST [{ PRT ST }] [{ ST TQ1 ST [{ TQ2 ST }] }] ST [ ST OBR ST [{ PRT ST }]
ORI 024 := SOM MSH ST MSA ST [{ ARV ST }] [{ ERR ST }] [{ SFT ST }] [ UAC ST ]
[{ NTE ST }] [ ST [ ST PID ST [{ ARV ST }] [{ NTE ST }] [{ PRT ST }] ] ST { ST
ORC ST [{ PRT ST }] [{ ST TQ1 ST [{ TQ2 ST }] }] ST OBR ST [{ NTE ST }] [{ PRT
ST }] { IPC ST } } ST ] ST EOM;
ORL 022 := SOM MSH ST MSA ST [{ ARV ST }] [{ ERR ST }] [{ SFT ST }] [ UAC ST ]
[{ NTE ST }] [ ST PID ST [{ PRT ST }] [{ ARV ST }] [{ ST ORC ST [{ PRT ST }]
[{ ST TO1 ST [{ TO2 ST }] }] ST [ ST OBR ST [{ PRT ST }] [{ ST SPM ST [{ SAC
ST }] }] ST ] ST }] ST ] ST EOM;
ORL 034 := SOM MSH ST MSA ST [{ ARV ST }] [{ ERR ST }] [{ SFT ST }] [ UAC ST ]
[{ NTE ST }] [ ST PID ST [{ PRT ST }] [{ ARV ST }] { ST SPM ST [{ ST OBX ST [{
PRT ST }] }] ST [{ SAC ST }] [{ ST ORC ST [{ PRT ST }] [{ ST TQ1 ST [{ TQ2 ST
ORL 036 := SOM MSH ST MSA ST [{ ARV ST }] [{ ERR ST }] [{ SFT ST }] [ UAC ST ]
[{ NTE ST }] [ ST PID ST [{ PRT ST }] [{ ARV ST }] { ST SPM ST [{ ST OBX ST [{
PRT ST }] }] ST [{ NTE ST }] { ST SAC ST [{ ST ORC ST [{ PRT ST }] [{ ST TQ1
ST [{ TQ2 ST }] }] ST [ ST OBR ST [{ PRT ST }] ] ST }] ST } ST } ST ] ST EOM;
ORL 040 := SOM MSH ST MSA ST [{ ARV ST }] [{ ERR ST }] [{ SFT ST }] [ UAC ST ]
[{ NTE ST }] [ ST [ST PID ST [{ PRT ST }] [{ ARV ST }] [{ ST ORC ST [{ PRT ST
}] [{ ST TQ1 ST [{ TQ2 ST }] }] ST [ ST OBR ST [{ PRT ST }] [{ ST SHP ST { ST
PAC ST [{ ST SPM ST [{ ST SAC ST }] ST }] ST }] ST ]] ST ]] ST ]] ST ]] ST ]] ST ]
EOM;
ORL 053 := SOM MSH ST MSA ST [{ ARV ST }] [{ ERR ST }] [{ SFT ST }] [ UAC ST ]
[{ NTE ST }] [ ST [ST PID ST [{ PRT ST }] ] ST [{ ST ORC ST [{ PRT ST }] [{
ST TQ1 ST [{ TQ2 ST }] }] ST [ ST OBR ST [{ PRT ST }] [{ ST SPM ST [{ SAC ST
ORL 054 := SOM MSH ST MSA ST [{ ARV ST }] [{ ERR ST }] [{ SFT ST }] [ UAC ST ]
[{ \overline{\text{NTE}} ST }] [ ST [ ST PID ST [{ PRT ST }] ] ST { ST SPM ST [{ ST OBX ST [{
PRT ST }] }] ST [{ SAC ST }] [{ ST ORC ST [{ PRT ST }] [{ ST TQ1 ST [{ TQ2 ST
ORL 055 := SOM MSH ST MSA ST [{ ARV ST }] [{ ERR ST }] [{ SFT ST }] [ UAC ST ]
[{ NTE ST }] [ ST [ ST PID ST [{ PRT ST }] ] ST { ST SPM ST [{ ST OBX ST [{
PRT ST }] }] ST [{ NTE ST }] { ST SAC ST [{ ST ORC ST [{ PRT ST }] [{ ST TQ1
ST [{ TQ2 ST }] }] ST [ ST OBR ST [{ PRT ST }] ] ST }] ST } ST } ST ] ST EOM;
ORL 056 := SOM MSH ST MSA ST [{ ARV ST }] [{ ERR ST }] [{ SFT ST }] [ UAC ST ]
[\{ NTE ST \} \} [ST [ST PID ST [\{ PRT ST \} \}] ST [\{ ST ORC ST [\{ PRT ST \} \} \}] [\{ ST ORC ST \} \}] [\{ ST ORC ST \} \}]
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```
ST TQ1 ST [{ TQ2 ST }] }] ST [ ST OBR ST [{ PRT ST }] [{ ST SHP ST { ST PAC ST
ORN 008 := SOM MSH ST MSA ST [{ ARV ST }] [{ ERR ST }] [{ SFT ST }] [ UAC ST ]
[{ NTE ST }] [ ST [ ST PID ST [{ PRT ST }] [{ ARV ST }] [{ NTE ST }] ] ST { ST
ORC ST [{ PRT ST }] [{ ST TQ1 ST [{ TQ2 ST }] }] ST RQD ST [ RQ1 ST ] [{ NTE
ST }] } ST ] ST EOM;
ORP 010 := SOM MSH ST MSA ST [{ ERR ST }] [{ SFT ST }] [ UAC ST ] [{ NTE ST }]
[ ST [ ST PID ST [{ PRT ST }] [{ NTE ST }] ] ST { ST ORC ST [{ PRT ST }] [{ ST
TQ1 ST [{ TQ2 ST }] }] ST [ ST RXO ST [{ PRT ST }] [{ NTE ST }] { RXR ST } [{
ST RXC ST [{ NTE ST }] }] ST ] ST ] ST ] ST EOM;
ORS 006 := SOM MSH ST MSA ST [{ ARV ST }] [{ ERR ST }] [{ SFT ST }] [ UAC ST ]
[{ NTE ST }] [ ST [ ST PID ST [{ PRT ST }] [{ ARV ST }] [{ NTE ST }] ] ST { ST
ORC ST [{ PRT ST }] [{ ST TQ1 ST [{ TQ2 ST }] }] ST RQD ST [ RQ1 ST ] [{ NTE
ST }] } ST ] ST EOM;
ORU R01 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] { ST [ ST PID ST [
PD1 ST ] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ OH1 ST }] [{
OH2 ST }] [ OH3 ST ] [{ OH4 ST }] [{ NTE ST }] [{ ST NK1 ST [{ GSP ST }] [{
GSR ST }] [{ OH2 ST }] [ OH3 ST ] }] ST [{ ARV ST }] [{ ST OBX ST [{ PRT ST }]
ST ] }] ST | ST { ST [ ST ORC ST [{ PRT ST }] [ ST OBX ST [{ PRT ST }] TXA ST
] ST ] ST OBR ST [{ NTE ST }] [{ ST PRT ST [{ DEV ST }] }] ST [{ ST TQ1 ST [{
TQ2 ST }] }] ST [ CTD ST ] [{ ST OBX ST [{ PRT ST }] [{ NTE ST }] }] ST [{ FT1
ST }] [{ CTI ST }] [{ ST SPM ST [{ ST OBX ST [{ PRT ST }] }] ST }] ST } ST [{
ST DEV ST [{ OBX ST }] }] ST } ST [ DSC ST ] EOM;
ORU R30 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] PID ST [ PD1 ST ]
[{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ OH1 ST }] [{ OH2 ST }]
[ OH3 ST ] [{ OH4 ST }] [{ ARV ST }] [{ ST OBX ST [{ PRT ST }] }] ST [ ST PV1
ST [ PV2 ST ] [{ PRT ST }] ] ST ORC ST [{ PRT ST }] OBR ST [{ NTE ST }] [{ PRT
ST }] [{ ST TQ1 ST [{ TQ2 ST }] }] ST { ST OBX ST [{ PRT ST }] [{ NTE ST }] }
ST [{ ST DEV ST [{ OBX ST }] }] ST EOM;
ORX 058 := SOM MSH ST MSA ST [{ ARV ST }] [{ ERR ST }] [{ SFT ST }] [ UAC ST ]
[{ NTE ST }] [ ST [ ST PID ST [{ NTE ST }] [{ PRT ST }] [{ ARV ST }] ] ST { ST
ORC ST [{ PRT ST }] TXA ST [{ CTI ST }] } ST ] ST EOM;
OSM R26 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] { ST SHP ST { PRT
ST } [{ ST OBX ST [{ PRT ST }] }] ST { ST PAC ST [{ PRT ST }] [{ ST SPM ST [{
PRT ST }] [{ ST OBX ST [{ PRT ST }] }] ST [{ ST SAC ST [{ ST OBX ST [{ PRT ST
}] ST [{ ST NK1 ST [{ GSP ST }] [{ GSR ST }] }] ST ] ST [ ST PV1 ST [{ PRT ST
}] [{ ST OBX ST [{ PRT ST }] }] ST [ PID ST ] [{ PRT ST }] [{ ST NK1 ST [{ GSP
ST }] [{ GSR ST }] }] ST ] ST } ST } ST } ST EOM;
```

OSU_O51 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] [{ NTE ST }] [PID ST] [{ PRT ST }] [{ ARV ST }] { ST ORC ST [{ PRT ST }] } ST EOM;

OSU_O52 := SOM MSH ST MSA ST [{ ARV ST }] [{ ERR ST }] [{ SFT ST }] [UAC ST] [{ NTE ST }] [ST PID ST [{ PRT ST }]] ST [{ ARV ST }] { ST ORC ST [{ PRT ST }] } ST EOM;

OUL_R22 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] [NTE ST] [ST PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ ARV ST }] [{ NTE ST }] [{ ST OBX ST [{ PRT ST }] }] ST [ST PV1 ST [PV2 ST] [{ PRT ST }]] ST] ST [{ ST NK1 ST [{ GSP ST }] }] ST [ST SPM ST [{ ST OBX ST [{ PRT ST }] }] ST [{ ST OBR ST [{ PRT ST }] }] ST [{ ST OBR ST [{ PRT ST }] [ST ORC ST [{ PRT ST }] [ST OBX ST [{ PRT ST }] TXA ST] ST] ST [{ NTE ST }] [{ PRT ST }] [{ ST OBX ST [{ PRT ST }] [ST OBX ST [{ PRT ST }]] ST [{ ST OBX ST [{ PRT ST }] [ST OBX ST [{ PRT ST }]] ST [{ ST OBX ST [{ PRT ST }]] ST [{ ST OBX ST [{ PRT ST }]] ST [{ ST OBX ST [{ PRT ST }]] ST [{ ST OBX ST [{ OBX ST }] }] ST [{ ST OBX ST] EOM;

OUL_R23 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] [NTE ST] [ST PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ OH1 ST }] [{ OH2 ST }] [{ OH3 ST] [{ OH4 ST }] [{ ARV ST }] [{ NTE ST }] [{ ST OBX ST [{ PRT ST }] }] ST [ST PV1 ST [PV2 ST] [{ PRT ST }]] ST [{ ST NK1 ST [{ GSP ST }] [{ GSR ST }] }] ST { ST SPM ST [{ ST OBX ST [{ PRT ST }] }] ST { ST OBX ST [{ PRT ST }] [ST TQ1 ST [{ TQ2 ST }] }] ST [{ ST OBX ST [{ PRT ST }] [TCD ST] [{ SID ST }] [{ INV ST }] [{ NTE ST }]] ST [{ ST OBX ST [{ PRT ST }] [ST OBX ST [{ NTE ST }]] ST [{ ST OBX ST]] ST [{ NTE ST }]] ST [{ ST OBX ST]] ST [{ NTE ST }]] ST [{ ST OBX ST]] ST [{ NTE ST }] ST [{ ST OBX ST]] ST [{ NTE ST }] ST [{ ST OBX ST]] ST [{ NTE ST }] ST [{ OBX ST }]]] ST [{ NTE ST }] ST [{ ST OBX ST]] ST [{ NTE ST }] ST [{ OBX ST }]]] ST [{ NTE ST }] ST [{ OBX ST }]]] ST [{ NTE ST }] ST [{ OBX ST }]] ST [{ OBX ST }]]] ST [{ OBX

OUL_R24 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] [NTE ST] [ST PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ OH1 ST }] [{ OH2 ST }] [{ OH4 ST }] [{ ARV ST }] [{ NTE ST }] [{ ST OBX ST [{ PRT ST }] }] ST [ST PV1 ST [PV2 ST] [{ PRT ST }]] ST] ST [{ ST NK1 ST [{ GSP ST }] [{ GSR ST }] }] ST { ST OBR ST [{ PRT ST }] [ST ORC ST [{ PRT ST }] [ST OBX ST [{ PRT ST }] [ST TQ1 ST [{ TQ2 ST }] }] ST [{ ST SPM ST [{ ST OBX ST [{ PRT ST }] }] ST [{ ST SAC ST [INV ST] }] ST [{ ST OBX ST [{ PRT ST }] [TCD ST] [{ SID ST }] [{ INV ST }] [{ NTE ST }]]] ST [{ ST OBX ST [{ PRT ST }] [ST SAC ST [] NTE ST]] [ST SAC ST [] NTE ST]] [ST SAC ST [] NTE ST]] [ST ST]] ST [ST ST]] [ST ST]] ST [ST ST]] [ST ST]] ST [ST ST]] [ST ST]] ST]

PEX_PO7 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] EVN ST PID ST [PD1
ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ ARV ST }] [{ NTE
ST }] [ST PV1 ST [PV2 ST] [{ PRT ST }]] ST { ST PES ST { ST PEO ST { ST
PCR ST [ST RXE ST [{ PRT ST }] { ST TQ1 ST [{ TQ2 ST }] } ST [{ RXR ST }]]
ST [{ ST RXA ST [RXR ST] [{ PRT ST }] }] ST [{ PRB ST }] [{ ST OBX ST [{ PRT
ST }] }] ST [{ NTE ST }] [ST NK1 ST [{ GSP ST }] [GSR ST }] [ST RXE ST [{
PRT ST }] { ST TQ1 ST [{ TQ2 ST }] } ST [{ RXR ST }]] ST [{ ST RXA ST [RXR
ST] [{ PRT ST }] }] ST [{ PRB ST }] [{ ST OBX ST [{ PRT ST }] }] ST] ST [{
ST CSR ST [{ CSP ST }] }] ST } ST } ST } ST } ST EOM;

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PGL PC6 := SOM MSH ST [{ SFT ST }] [ UAC ST ] PID ST [{ GSP ST }] [{ GSR ST }]
[{ GSC ST }] { ST PRD ST [{ CTD ST }] } ST [ ST PV1 ST [ PV2 ST ] ] ST { ST
GOL ST [{ NTE ST }] [{ VAR ST }] [{ ST ROL ST PRT ST [{ VAR ST }] }] ST [{ ST
PTH ST [{ VAR ST }] }] ST [{ ST OBX ST [{ PRT ST }] [{ NTE ST }] }] ST [{ ST
PRB ST [{ NTE ST }] [{ VAR ST }] [{ ST ROL ST PRT ST [{ VAR ST }] }] ST [{ ST
OBX ST [{ PRT ST }] [{ NTE ST }] }] ST }] ST [{ ST ORC ST [ ST < ST OBR ST |
ST Hxx ST > ST [{ NTE ST }] [{ VAR ST }] [{ ST OBX ST [{ PRT ST }] [{ NTE ST
}] [{ VAR ST }] }] ST ] ST }] ST } ST EOM;
PMU B01 := SOM MSH ST [{ SFT ST }] [ UAC ST ] EVN ST STF ST [{ GSP ST }] [{
GSR ST }] [{ PRA ST }] [{ ORG ST }] [{ AFF ST }] [{ LAN ST }] [{ EDU ST }] [{
CER ST }] [{ ST [{ NK1 ST }] [{ GSP ST }] [{ GSR ST }] }] ST [{ PRT ST }] [{
ROL ST } ] EOM;
PMU B03 := SOM MSH ST [{ SFT ST }] [ UAC ST ] EVN ST STF ST EOM;
PMU B04 := SOM MSH ST [{ SFT ST }] [ UAC ST ] EVN ST STF ST [{ PRA ST }] [{
ORG ST }] EOM;
PMU B07 := SOM MSH ST [{ SFT ST }] [ UAC ST ] EVN ST STF ST [ PRA ST ] [{ ST
CER ST [{ PRT ST }] [{ ROL ST }] }] ST EOM;
PMU B08 := SOM MSH ST [{ SFT ST }] [ UAC ST ] EVN ST STF ST [ PRA ST ] [{ CER
ST }] EOM;
PPG PCG := SOM MSH ST [{ SFT ST }] [ UAC ST ] PID ST [{ GSP ST }] [{ GSR ST }]
[{ GSC ST }] { ST PRD ST [{ CTD ST }] } ST [ ST PV1 ST [ PV2 ST ] ] ST { ST
PTH ST [{ NTE ST }] [{ VAR ST }] [{ ST ROL ST PRT ST [{ VAR ST }] }] ST [{ ST
GOL ST [{ NTE ST }] [{ VAR ST }] [{ ST ROL ST PRT ST [{ VAR ST }] }] ST [{ ST
OBX ST [{ PRT ST }] [{ NTE ST }] }] ST [{ ST PRB ST [{ NTE ST }] [{ VAR ST }]
[{ ST ROL ST PRT ST [{ VAR ST }] }] ST [{ ST OBX ST [{ PRT ST }] [{ NTE ST }]
] ST ] ST [ ST ORC ST [ ST ST OBR ST | ST Hxx ST > ST [ NTE ST ] [ VAR
ST }] [{ ST OBX ST [{ PRT ST }] [{ NTE ST }] [{ VAR ST }] }] ST ] ST }]
ST } ST EOM;
PPP PCB := SOM MSH ST [{ SFT ST }] [ UAC ST ] PID ST [{ GSP ST }] [{ GSR ST }]
[{ GSC ST }] { ST PRD ST [{ CTD ST }] } ST [ ST PV1 ST [ PV2 ST ] ] ST { ST
PTH ST [{ NTE ST }] [{ VAR ST }] [{ ST ROL ST PRT ST [{ VAR ST }] }] ST [{ ST
PRB ST [{ NTE ST }] [{ VAR ST }] [{ ST ROL ST PRT ST [{ VAR ST }] }] ST [{ ST
OBX ST [{ PRT ST }] [{ NTE ST }] }] ST [{ ST GOL ST [{ NTE ST }] [{ VAR ST }]
[{ ST ROL ST PRT ST [{ VAR ST }] }] ST [{ ST OBX ST [{ PRT ST }] [{ NTE ST }]
\ ST \ ST [{ ST ORC ST [ ST < ST OBR ST | ST Hxx ST > ST [{ NTE ST }] [{ VAR
ST }] [{ ST OBX ST [{ PRT ST }] [{ NTE ST }] [{ VAR ST }] }] ST ] ST }]
ST } ST EOM;
PPR PC1 := SOM MSH ST [{ SFT ST }] [ UAC ST ] PID ST [{ GSP ST }] [{ GSR ST }]
[{ \overline{G}SC ST }] { ST PRD ST [{ CTD ST }] } ST [ ST PV1 ST [ PV2 ST ] ] ST { ST
PRB ST [{ NTE ST }] [{ VAR ST }] [{ ST ROL ST PRT ST [{ VAR ST }] }] ST [{ ST
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```
PTH ST [{ VAR ST }] }] ST [{ ST OBX ST [{ PRT ST }] [{ NTE ST }] }] ST [{ ST
GOL ST [{ NTE ST }] [{ VAR ST }] [{ ST ROL ST PRT ST [{ VAR ST }] }] ST [{ ST
OBX ST [{ PRT ST }] [{ NTE ST }] }] ST }] ST [{ ST ORC ST [ ST < ST OBR ST |
ST Hxx ST > ST [{ NTE ST }] [{ VAR ST }] [{ ST OBX ST [{ PRT ST }] [{ NTE ST
QBP E03 := SOM MSH ST [{ SFT ST }] [{ UAC ST }] < ST QPD ST RCP ST > ST EOM;
QBP E22 := SOM MSH ST [{ SFT ST }] [{ UAC ST }] < ST QPD ST RCP ST > ST EOM;
QBP 033 := SOM MSH ST [{ SFT ST }] [ UAC ST ] QPD ST RCP ST
QBP 034 := SOM MSH ST [{ SFT ST }] [ UAC ST ] QPD ST RCP ST
QBP Q11 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] QPD ST [ ST [ Hxx
ST ] ] ST RCP ST [ DSC ST ] EOM;
QBP Q13 := SOM MSH ST [{ SFT ST }] [ UAC ST ] QPD ST [ PID ST ] [ RDF ST ] RCP
ST [ RDF ST ] [ DSC ST ] EOM;
OBP Q15 := SOM MSH ST [{ SFT ST }] [ UAC ST ] QPD ST [ Hxx ST ] RCP ST [ DSC
ST ] EOM;
QBP Q21 := SOM MSH ST [{ SFT ST }] [ UAC ST ] QPD ST RCP ST [ DSC ST ] EOM;
QBP Qnn := SOM MSH ST [{ SFT ST }] [ UAC ST ] QPD ST [ RDF ST ] RCP ST [ DSC
ST ] EOM;
QBP Z73 := SOM MSH ST [{ SFT ST }] [ UAC ST ] QPD ST RCP ST EOM;
QCN J01 := SOM MSH ST [{ SFT ST }] [ UAC ST ] QID ST EOM;
QSB Q16 := SOM MSH ST [{ SFT ST }] [ UAC ST ] QPD ST RCP ST [ DSC ST ] EOM;
QVR Q17 := SOM MSH ST [{ SFT ST }] [ UAC ST ] QPD ST [ ST [ Hxx ST ] ] ST RCP
ST [ DSC ST ] EOM;
RAS 017 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] [{ NTE ST }] [ ST
PID ST PD1 ST [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ NTE ST }]
[{ ARV ST }] [{ AL1 ST }] [ ST PV1 ST [ PV2 ST ] [{ PRT ST }] [{ ARV ST }] ]
ST ] ST { ST ORC ST [{ PRT ST }] [{ ST TQ1 ST [{ TQ2 ST }] }] ST [ ST RXO ST
[{ PRT ST }] [ ST { NTE ST } { RXR ST } [{ ST RXC ST [{ NTE ST }] }] ST ] ST ]
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ST [ ST RXE ST [{ PRT ST }] [{ NTE ST }] { ST TQ1 ST [{ TQ2 ST }] } ST { RXR
ST } [{ RXC ST }] [{ CDO ST }] ] ST { ST { RXA ST } [{ PRT ST }] RXR ST [{ ST
OBX ST [{ PRT ST }] [{ NTE ST }] }] ST } ST [{ CTI ST }] } ST EOM;
RCV O59 := SOM MSH ST [{ SFT ST }] [ UAC ST ] [{ NTE ST }] [ ST PID ST [ PD1
ST ] [{ PRT ST }] [{ NTE ST }] [{ AL1 ST }] [ ST PV1 ST [ PV2 ST ] [{ PRT ST
NTE ST } { RXR ST } [{ ST RXC ST [{ NTE ST }] }] ST ] ST ] ST [{ PRT ST }] [
ST RXE ST [{ PRT ST }] [{ NTE ST }] { ST TQ1 ST [{ TQ2 ST }] } ST { RXR ST }
ST OBX ST [{ PRT ST }] [{ NTE ST }] }] ST [{ FT1 ST }] } ST EOM;
RDE 011 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] [{ NTE ST }] [ ST
PID ST [ PD1 ST ] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ NTE
ST }] [{ ARV ST }] [ ST PV1 ST [ PV2 ST ] [{ PRT ST }] [{ ARV ST }] ] ST [{ ST
IN1 ST [ IN2 ST ] [ IN3 ST ] }] ST [ GT1 ST ] [{ AL1 ST }] ] ST { ST ORC ST [{
PRT ST }] [{ ST TQ1 ST [{ TQ2 ST }] }] ST [ ST RXO ST [{ PRT ST }] [{ NTE ST
}] { RXR ST } [{ ST RXC ST [{ NTE ST }] }] ST ] ST RXE ST [{ PRT ST }] [{ NTE
ST }] { ST TQ1 ST [{ TQ2 ST }] } ST [{ ST RXV ST [{ PRT ST }] [{ NTE ST }] {
ST TQ1 ST [{ TQ2 ST }] } ST }] ST { RXR ST } [{ RXC ST }] [{ CD0 ST }] [{ ST
OBX ST [{ PRT ST }] [{ NTE ST }] }] ST [{ FT1 ST }] [ BLG ST ] [{ CTI ST }] }
ST EOM;
RDE 049 := SOM MSH ST [{ SFT ST }] [ UAC ST ] [{ NTE ST }] [ ST PID ST [ PD1
ST | [{ PRT ST }] [{ NTE ST }] [ ST PV1 ST [ PV2 ST ] [{ PRT ST }] ] ST [{ ST
IN1 ST [ IN2 ST ] [ IN3 ST ] }] ST [ GT1 ST ] [{ AL1 ST }] ] ST { ST ORC ST [{
PRT ST }] [{ ST TQ1 ST [{ TQ2 ST }] }] ST [ ST RXO ST [{ PRT ST }] [{ NTE ST
}] { RXR ST } [{ ST RXC ST [{ NTE ST }] }] ST ] ST [{ PRT ST }] RXE ST [{ PRT
ST }] [{ NTE ST }] { ST TQ1 ST [{ TQ2 ST }] } ST { RXR ST } [{ RXC ST }] [{ ST
OBX ST [{ PRT ST }] [{ NTE ST }] }] ST [{ FT1 ST }] [ BLG ST ] [{ CTI ST }] }
ST EOM;
RDS 013 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] [{ NTE ST }] [ ST
PID ST PD1 ST [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ ARV ST }]
[{ NTE ST }] [{ AL1 ST }] [ ST PV1 ST [ PV2 ST ] [{ PRT ST }] [{ ARV ST }] ]
ST ] ST { ST ORC ST [{ PRT ST }] [{ ST TQ1 ST [{ TQ2 ST }] }] ST [ ST RXO ST
[{ PRT ST }] [ ST { NTE ST } { RXR ST } [{ ST RXC ST [{ NTE ST }] }] ST ] ST ]
ST [ ST RXE ST [{ PRT ST }] [{ NTE ST }] { ST TQ1 ST [{ TQ2 ST }] } ST { RXR
ST } [{ RXC ST }] ] ST RXD ST [{ PRT ST }] [{ NTE ST }] { RXR ST } [{ RXC ST
}] [{ CDO ST }] [{ ST OBX ST [{ PRT ST }] [{ NTE ST }] }] ST [{ FT1 ST }] } ST
EOM;
RDY K15 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MSA ST [{ ERR ST }] QAK ST QPD
ST [{ DSP ST }] [ DSC ST ] EOM;
RDY Z80 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MSA ST [{ ERR ST }] QAK ST QPD
ST [{ DSP ST }] [ DSC ST ] EOM;
```

REF_I12 := SOM MSH ST [{ SFT ST }] [UAC ST] [RF1 ST] [ST AUT ST [CTD ST] ST { ST PRD ST [{ CTD ST }] ST PID ST [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ GSR ST }] [{ GSR ST }] [{ GSR ST }] [{ GSR ST }] [{ ST NK1 ST [{ GSP ST }] [{ GSR ST }] ST [{ GT1 ST }] [{ ST IN1 ST [IN2 ST] [IN3 ST] }] ST [ACC ST] [{ DG1 ST }] [{ DRG ST }] [{ AL1 ST }] [{ ST PR1 ST [ST AUT ST [CTD ST]] ST] ST [{ ST OBR ST [{ PRT ST }] [{ NTE ST }] [{ NTE ST }] ST [{ NTE

RGV_O15 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] [{ NTE ST }] [ST PID ST [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ NTE ST }] [{ AL1 ST }] [{ ARV ST }] [{ ST PV1 ST [PV2 ST] [{ PRT ST }] [{ ARV ST }]] ST] ST [ST ORC ST [{ PRT ST }] [{ ST TQ1 ST [{ TQ2 ST }] }] ST [ST RXO ST [{ PRT ST }] [ST { NTE ST } { RXR ST } [{ ST RXC ST [{ NTE ST }] }] ST] ST] ST [ST RXE ST [{ PRT ST }] [{ NTE ST }] { ST TQ1 ST [{ TQ2 ST }] } ST { RXR ST } [{ RXC ST }]] ST { RXR ST } [{ RXC ST }]] ST { RXR ST } [{ RXC ST }] [{ RXC ST }] [{ ST OBX ST [{ PRT ST }] [{ NTE ST }] }] ST } ST } ST } ST EOM;

RPA_IO8 := SOM MSH ST [{ SFT ST }] [UAC ST] MSA ST [RF1 ST] [ST AUT ST [
CTD ST]] ST { ST PRD ST [{ CTD ST }] } ST PID ST [{ GSP ST }] [{ GSR ST }]
[{ GSC ST }] [{ ST NK1 ST [{ GSP ST }] [{ GSR ST }] }] ST [{ GT1 ST }] [{ ST
IN1 ST [IN2 ST] [IN3 ST] }] ST [ACC ST] [{ DG1 ST }] [{ DRG ST }] [{ AL1
ST }] { ST PR1 ST [ST AUT ST [CTD ST]] ST } ST [{ ST OBR ST [{ PRT ST }]
[{ NTE ST }] [{ ST OBX ST [{ PRT ST }] }] ST }] ST [ST PV1 ST [
PV2 ST]] ST [{ NTE ST }] EOM;

RPI_IO1 := SOM MSH ST [{ SFT ST }] [UAC ST] MSA ST { ST PRD ST [{ CTD ST }]
} ST PID ST [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ ST NK1 ST [{ GSP ST }]
[{ GSR ST }] }] ST [ST [{ GT1 ST }] { ST IN1 ST [IN2 ST] [IN3 ST] } ST [{ NTE ST }] EOM;

RPI_IO4 := SOM MSH ST [{ SFT ST }] [UAC ST] MSA ST { ST PRD ST [{ CTD ST }]
} ST PID ST [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ ST NK1 ST [{ GSP ST }]
[{ GSR ST }] }] ST [ST [{ GT1 ST }] { ST IN1 ST [IN2 ST] [IN3 ST] } ST [{ NTE ST }] EOM;

RPL_IO2 := SOM MSH ST [{ SFT ST }] [UAC ST] MSA ST { ST PRD ST [{ CTD ST }]
} ST [{ NTE ST }] [{ DSP ST }] [DSC ST] EOM;

RPR_IO3 := SOM MSH ST [{ SFT ST }] [UAC ST] MSA ST { ST PRD ST [{ CTD ST }]
} ST [{ PID ST }] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ ST NK1 ST [{ GSP ST }] [{ GSR ST }] }] ST EOM;

```
[{ NTE ST }] [{ ST OBX ST [{ PRT ST }] [{ NTE ST }] }] ST }] ST [ ST PV1 ST [
PV2 ST ] ] ST [{ NTE ST }] EOM;
RQI IO1 := SOM MSH ST [{ SFT ST }] [ UAC ST ] { ST PRD ST [{ CTD ST }] } ST
PID ST [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ ST NK1 ST [{ GSP ST }] [{ GSR
NTE ST }] EOM;
RQP IO4 := SOM MSH ST [{ SFT ST }] [ UAC ST ] { ST PRD ST [{ CTD ST }] } ST
PID ST [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ ST NK1 ST [{ GSP ST }] [{ GSR
ST }] }] ST [{ GT1 ST }] [{ NTE ST }] EOM;
RRA 018 := SOM MSH ST MSA ST [{ ERR ST }] [{ SFT ST }] [ UAC ST ] [{ NTE ST }]
[ ST [ ST PID ST [{ PRT ST }] [{ NTE ST }] ] ST { ST ORC ST [{ PRT ST }] [{ ST
TQ1 ST [{ TQ2 ST }] }] ST [ ST { ST RXA ST [{ PRT ST }] } ST RXR ST ] ST } ST
] ST EOM;
RRD 014 := SOM MSH ST MSA ST [{ ERR ST }] [{ SFT ST }] [ UAC ST ] [{ NTE ST }]
[ ST [ ST PID ST [{ PRT ST }] [{ NTE ST }] ] ST { ST ORC ST [{ PRT ST }] [{ ST
TQ1 ST [{ TQ2 ST }] }] ST [ ST RXD ST [{ PRT ST }] [{ NTE ST }] { RXR ST } [{
RXC ST }] ] ST } ST ] ST EOM;
RRE 012 := SOM MSH ST MSA ST [{ ERR ST }] [{ SFT ST }] [ UAC ST ] [{ NTE ST }]
[ ST [ ST PID ST [{ PRT ST }] [{ NTE ST }] ] ST { ST ORC ST [{ PRT ST }] [{ ST
TQ1 ST [{ TQ2 ST }] }] ST [ ST RXE ST [{ PRT ST }] [{ NTE ST }] { ST TQ1 ST [{
TQ2 ST }] } ST { RXR ST } [{ RXC ST }] ] ST } ST ] ST EOM;
RRE 050 := SOM MSH ST MSA ST [{ ERR ST }] [{ SFT ST }] [ UAC ST ] [{ NTE ST }]
[ ST [ ST PID ST [{ PRT ST }] [{ NTE ST }] ] ST { ST ORC ST [{ PRT ST }] [{ ST
TQ1 ST [{ TQ2 ST }] }] ST [ ST RXE ST [{ PRT ST }] [{ NTE ST }] { ST TQ1 ST [{
TQ2 ST }] } ST { RXR ST } [{ RXC ST }] ] ST [{ PRT ST }] } ST ] ST EOM;
RRG 016 := SOM MSH ST MSA ST [{ ERR ST }] [{ SFT ST }] [ UAC ST ] [{ NTE ST }]
[ ST [ ST PID ST [{ PRT ST }] [{ NTE ST }] ] ST { ST ORC ST [{ PRT ST }] [{ ST
TQ1 ST [{ TQ2 ST }] }] ST [ ST RXG ST [{ PRT ST }] { ST TQ1 ST [{ TQ2 ST }] }
ST { RXR ST } [{ RXC ST }] ] ST } ST ] ST EOM;
RRI I12 := SOM MSH ST [{ SFT ST }] [ UAC ST ] [ MSA ST ] [ RF1 ST ] [ ST AUT
ST [ CTD ST ] ] ST { ST PRD ST [{ CTD ST }] } ST PID ST [{ GSP ST }] [{ GSR ST
}] [{ GSC ST }] [ ACC ST ] [{ DG1 ST }] [{ DRG ST }] [{ AL1 ST }] [{ ST PR1 ST
[ ST AUT ST [ CTD ST ] ] ST }] ST [{ ST OBR ST [{ PRT ST }] [{ NTE ST }] [{ ST
OBX ST [{ PRT ST }] [{ NTE ST }] }] ST }] ST [ ST PV1 ST [ PV2 ST ] ] ST [{
NTE ST } ] EOM;
RSP E03 := SOM MSH ST [{ SFT ST }] [{ UAC ST }] MSA ST [{ ERR ST }] < ST QAK
ST QPD ST [{ IPR ST }] > ST EOM;
```

```
RSP E22 := SOM MSH ST [{ SFT ST }] [{ UAC ST }] MSA ST [{ ERR ST }] < ST QAK
ST QPD ST [ ST IVC ST PSG ST { ST PSL ST } ST ] ST > ST EOM;
```

RSP K11 := SOM MSH ST [{ SFT ST }] [UAC ST] MSA ST [{ ERR ST }] QAK ST QPD ST [ST Hxx ST] ST [DSC ST] EOM;

RSP K21 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] MSA ST [ERR ST] QAK ST QPD ST [ST PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ ARV ST }] [{ ST NK1 ST [{ GSP ST }] [{ GSR ST }] }] ST QRI ST] ST [DSC ST] EOM;

RSP K22 := SOM MSH ST [{ SFT ST }] [UAC ST] MSA ST [ERR ST] QAK ST QPD ST [{ ST PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ ST NK1 ST [{ GSP ST }] [{ GSR ST }] }] ST [QRI ST] }] ST [DSC ST] EOM;

RSP K23 := SOM MSH ST [{ SFT ST }] [UAC ST] MSA ST [ERR ST] QAK ST QPD ST [ST PID ST] ST [DSC ST] EOM;

RSP K25 := SOM MSH ST [{ SFT ST }] [UAC ST] MSA ST [{ ERR ST }] QAK ST QPD ST RCP ST { ST STF ST [{ GSP ST }] [{ GSR ST }] [{ PRA ST }] [{ ORG ST }] [{ AFF ST }] [{ LAN ST }] [{ EDU ST }] [{ CER ST }] [{ ST [{ NK1 ST }] [{ GSP ST }] [{ GSR ST }] }] ST [{ PRT ST }] [{ ROL ST }] } ST [DSC ST] EOM;

RSP K31 := SOM MSH ST MSA ST [{ ERR ST }] [{ SFT ST }] [UAC ST] QAK ST QPD ST RCP ST { ST [ST PID ST [PD1 ST] [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ NTE ST }] [{ ARV ST }] [{ AL1 ST }] [ST PV1 ST [PV2 ST] [{ PRT ST }] [{ ARV ST }]] ST] ST { ST ORC ST [{ PRT ST }] [{ ST TQ1 ST [{ TQ2 NTE ST }] }] ST] ST [ST RXE ST [{ PRT ST }] [{ NTE ST }] { ST TQ1 ST [{ TQ2 ST }] } ST { RXR ST } [{ RXC ST }]] ST RXD ST [{ PRT ST }] { RXR ST } [{ RXC ST }] [{ CDO ST }] [{ ST OBX ST [{ PRT ST }] [{ NTE ST }] }] ST } ST } ST [DSC ST | EOM;

RSP K32 := SOM MSH ST [{ SFT ST }] MSA ST [ERR ST] QAK ST QPD ST [{ ST PID ST [PD1 ST] [{ NK1 ST }] [{ GSP ST }] [{ GSR ST }] PV1 ST [PV2 ST] [QRI ST] } ST [DSC ST] EOM;

RSP 033 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] MSA ST [ERR ST] QAK ST QPD ST [ST PID ST [{ PRT ST }] [{ ARV ST }]] ST EOM;

RSP 034 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [UAC ST] MSA ST [ERR ST] QAK ST QPD ST [ST PID ST [PD1 ST] [{ PRT ST }] [{ ST OBX ST [{ PRT ST }] }] ST [{ NTE ST }] [{ AL1 ST }] [{ ARV ST }] [ST PV1 ST [{ PRT ST }] [{ NTE ST EOM:

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```
RSP Z82 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MSA ST [ ERR ST ] QAK ST QPD ST
RCP ST { ST [ ST PID ST [ PD1 ST ] [{ NTE ST }] [ ST { AL1 ST } PV1 ST [ PV2
ST ] ] ST ] ST { ST ORC ST [{ ST TQ1 ST [{ TQ2 ST }] }] ST [ ST RXO ST [{ NTE
ST }] { RXR ST } [ ST { RXC ST } [{ NTE ST }] ] ST ] ST [ ST RXE ST [{ ST TQ1
ST [{ TQ2 ST }] }] ST { RXR ST } [{ RXC ST }] ] ST RXD ST { RXR ST } [{ RXC ST
}] { ST [ OBX ST ] [{ NTE ST }] } ST } ST [ DSC ST ] EOM;
RSP Z84 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MSA ST [ ERR ST ] QAK ST QPD ST
[ ST RDF ST [{ RDT ST }] ] ST [ DSC ST ] EOM;
RSP Z86 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MSA ST [ ERR ST ] QAK ST QPD ST
{ ST [ ST PID ST [ PD1 ST ] [{ NTE ST }] [{ AL1 ST }] ] ST { ST ORC ST [{ ST
TQ1 ST [{ TQ2 ST }] }] ST [ ST RXO ST { RXR ST } [{ RXC ST }] ] ST [ ST RXE ST
[{ ST TQ1 ST [{ TQ2 ST }] }] ST { RXR ST } [{ RXC ST }] ] ST [ ST RXD ST { RXR
ST } [{ RXC ST }] ] ST [ ST RXG ST { RXR ST } [{ RXC ST }] ] ST [ ST RXA ST {
RXR ST } [{ RXC ST }] ] ST { ST [ OBX ST ] [{ NTE ST }] } ST } ST } ST [ DSC
ST ] EOM;
RSP Z88 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MSA ST [ ERR ST ] QAK ST QPD ST
RCP ST { ST [ ST PID ST [ PD1 ST ] [{ NTE ST }] [ ST { AL1 ST } [ ST PV1 ST [
PV2 ST ] ] ST ] ST ] ST { ST ORC ST [{ ST TQ1 ST [{ TQ2 ST }] }] ST [ ST RXO
ST [{ NTE ST }] { RXR ST } [ ST { RXC ST } [{ NTE ST }] ] ST ] ST [ ST RXE ST
[{ ST TQ1 ST [{ TQ2 ST }] }] ST { RXR ST } [{ RXC ST }] ] ST RXD ST { RXR ST }
[{ RXC ST }] { ST [ OBX ST ] [{ NTE ST }] } ST } ST } ST DSC ST EOM;
RSP Z90 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MSA ST [ ERR ST ] QAK ST QPD ST
RCP ST { ST [ ST PID ST [ PD1 ST ] [{ NK1 ST }] [{ NTE ST }] [ ST PV1 ST [ PV2
ST | ST | ST | ST GRC ST [{ ST TQ1 ST [{ TQ2 ST }] }] ST OBR ST [{ NTE ST }]
[ CTD ST ] { ST [ OBX ST ] [{ NTE ST }] } ST } ST [ { ST SPM ST [ { OBX ST }] }]
ST } ST DSC ST EOM;
RSP Znn := SOM MSH ST [{ SFT ST }] [ UAC ST ] MSA ST [{ ERR ST }] QAK ST QPD
ST [ Hxx ST ] [ DSC ST ] EOM;
RTB K13 := SOM MSH ST [{ SFT ST }] [ UAC ST ] MSA ST [{ ERR ST }] QAK ST QPD
ST [ ST RDF ST [{ RDT ST }] ] ST [ DSC ST ] EOM;
RTB Knn := SOM MSH ST [{ SFT ST }] [ UAC ST ] MSA ST [{ ERR ST }] QAK ST QPD
ST Hxx ST [ DSC ST ] EOM;
RTB Z74 := SOM MSH ST MSA ST [{ ERR ST }] [{ SFT ST }] [ UAC ST ] QAK ST QPD
ST [ ST RDF ST [{ RDT ST }] ] ST [ DSC ST ] EOM;
SDR S31 := SOM MSH ST [{ SFT ST }] [ UAC ST ] < ST SDD ST [{ SCD ST }] > ST
EOM;
```

```
SDR S32 := SOM MSH ST [{ SFT ST }] [ UAC ST ] < ST SDD ST [{ SCD ST }] > ST
EOM;
SIU S12 := SOM MSH ST SCH ST [{ TQ1 ST }] [{ NTE ST }] [{ ST PID ST [ PD1 ST ]
[{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] PV1 ST [ PV2 ST ] [{ PRT
ST }] [{ OBX ST }] [{ PRT ST }] [{ DG1 ST }] }] ST { ST RGS ST [{ ST AIS ST [{
NTE ST }] }] ST [{ ST AIG ST [{ NTE ST }] }] ST [{ ST AIL ST [{ NTE ST }] }]
ST [{ ST AIP ST [{ NTE ST }] }] ST } ST EOM;
SLR S28 := SOM MSH ST [{ SFT ST }] [ UAC ST ] { SLT ST } EOM;
SRM S01 := SOM MSH ST ARQ ST [ APR ST ] [{ NTE ST }] [{ ST PID ST [{ GSP ST }]
[{ GSR ST }] [{ GSC ST }] [{ PRT ST }] PV1 ST [ PV2 ST ] [{ PRT ST }] [{ ST
OBX ST [{ PRT ST }] }] ST [{ DG1 ST }] }] ST { ST RGS ST [{ ST AIS ST [ APR ST
] [{ NTE ST }] }] ST [{ ST AIG ST [ APR ST ] [{ NTE ST }] }] ST [{ ST AIL ST [
APR ST ] [{ NTE ST }] }] ST [{ ST AIP ST [ APR ST ] [{ NTE ST }] }] ST } ST
EOM;
SRR S01 := SOM MSH ST MSA ST [{ ERR ST }] [ ST SCH ST [{ TQ1 ST }] [{ NTE ST
}] [{ ST PID ST [{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [ ST PV1
ST [ PV2 ST ] [{ PRT ST }] ] ST [{ DG1 ST }] }] ST { ST RGS ST [{ ST AIS ST [{
NTE ST }] }] ST [{ ST AIG ST [{ NTE ST }] }] ST [{ ST AIL ST [{ NTE ST }] }]
ST [{ ST AIP ST [{ NTE ST }] }] ST } ST ] ST EOM;
SSR U04 := SOM MSH ST [{ SFT ST }] [ UAC ST ] EQU ST { ST SAC ST [{ SPM ST }]
} ST [ ROL ST ] EOM;
SSU U03 := SOM MSH ST [{ SFT ST }] [ UAC ST ] EQU ST { ST SAC ST [{ OBX ST }]
[{ NTE ST }] [{ PRT ST }] [{ ST SPM ST [{ OBX ST }] [{ PRT ST }] }] ST } ST [
ROL ST ] EOM;
STC S33 := SOM MSH ST [{ SFT ST }] [ UAC ST ] { SCP ST } EOM;
TCU U10 := SOM MSH ST [{ SFT ST }] [ UAC ST ] EQU ST { ST [ SPM ST ] { TCC ST
} ST [ ROL ST ] EOM;
    /* */
VXU V04 := SOM MSH ST [{ ARV ST }] [{ SFT ST }] [ UAC ST ] PID ST [ PD1 ST ]
[{ GSP ST }] [{ GSR ST }] [{ GSC ST }] [{ PRT ST }] [{ NK1 ST }] [{ GSP ST }]
[{ GSR ST }] [{ ARV ST }] [ ST PV1 ST [ PV2 ST ] [{ PRT ST }] [{ ARV ST }] ]
ST [{ GT1 ST }] [{ ST IN1 ST [ IN2 ST ] [ IN3 ST ] }] ST [{ ST OBX ST [{ PRT
ST ] [{ NTE ST ] }] ST [{ ST ORC ST [{ PRT ST }] [{ ST TQ1 ST [{ TQ2 ST }]
}] ST RXA ST [{ PRT ST }] [ RXR ST ] [{ ST OBX ST [{ PRT ST }] [{ NTE ST }] }]
ST }] ST EOM;
```

```
ST := <CR>;
```

C.2.2 Segment Definitions

```
/*-- Segments --*/
Segments :=
            /* Abstract */
   | ABS
            /* Accident */
     ACC
     ADD
            /* Addendum */
   | ADJ
            /* Adjustment */
            /* Professional Affiliation */
     AFF
            /* Appointment Information - General Resource */
   | AIG
   | AIL
            /* Appointment Information - Location Resource */
     AIP
            /* Appointment Information - Personnel Resource */
     AIS
            /* Appointment Information */
   | AL1
            /* Patient Allergy Information */
   | APR
            /* Appointment Preferences */
            /* Appointment Request */
   | ARQ
   | ARV
            /* Access Restriction */
   I AUT
            /* Authorization Information */
            /* Batch Header */
   | BHS
            /* Blood Code */
     BLC
            /* Billing */
     BLG
            /* Blood product order */
     BPO
            /* Blood product dispense status */
     BPX
            /* Batch Trailer */
            /* Blood Product Transfusion/Disposition */
     BTX
            /* Blood Unit Information */
     BUI
            /* Charge Description Master */
     CDM
     CDO
            /* Cumulative Dosage */
            /* Certificate Detail */
     CER
            /* Clinical Study Master */
     CM0
            /* Clinical Study Phase Master */
     CM1
            /* Clinical Study Schedule Master */
     CM2
            /* Clear Notification */
     CNS
     CON
            /* Consent Segment */
     CSP
            /* Clinical Study Phase */
            /* Clinical Study Registration */
     CSR
            /* Clinical Study Data Schedule Segment */
            /* Contact Data */
     CTD
            /* Clinical Trial Identification */
     CTI
            /* Contract Master Outbound */
     CTR
            /* Disability */
     DB1
     DEV
            /* Device */
            /* Diagnosis */
     DG1
     DMI
            /* DRG Master File Information */
            /* Donation */
     DON
            /* Diagnosis and Procedure Code Segment */
     DPS
            /* Diagnosis Related Group */
     DRG
            /* Continuation Pointer */
     DSC
            /* Display Data */
     DSP
     DST
            /* Transport Destination */
            /* Equipment Command */
```

```
ECR
       /* Equipment Command Response */
EDU
       /* Educational Detail */
       /* Equipment/log Service */
EOP
       /* Equipment Detail */
EOU
       /* Error */
ERR
       /* Event Type */
EVN
       /* Facility */
FAC
FHS
       /* File Header */
FT1
       /* Financial Transaction */
FTS
       /* File Trailer */
       /* Goal Detail */
GOL
       /* Grouping/Reimbursement - Visit */
GP1
       /* Grouping/Reimbursement - Procedure Line Item */
GP2
       /* Sex Parameter for Clinical Use */
GSC
GSP
       /* Person Gender and Sex */
GSR
       /* Recorded Gender and Sex */
       /* Guarantor */
GT1
IAM
       /* Patient Adverse Reaction Information */
IAR
       /* allergy reaction */
       /* Inventory Item Master */
IIM
       /* Material Lot */
ILT
       /* Insurance */
IN1
       /* Insurance Additional Information */
TN2
       /* Insurance Additional Information, Certification */
IN3
       /* Inventory Detail */
TNV
IPC
       /* Imaging Procedure Control Segment */
       /* Invoice Processing Results */
TPR
       /* Interaction Status Detail */
ISD
       /* Material Item */
ITM
IVC
       /* Invoice Segment */
       /* Material Location */
IVT
       /* Language Detail */
LAN
LCC
       /* Location Charge Code */
       /* Location Characteristic */
LCH
       /* Location Department */
LDP
       /* Location Identification */
LOC
       /* Location Relationship */
LRL
       /* Master File Coverage */
MCP
       /* Master File Acknowledgment */
MFA
       /* Master File Entry */
MFE
       /* Master File Identification */
MFT
MRG
       /* Merge Patient Information */
MSA
       /* Message Acknowledgment */
       /* Message Header */
MSH
       /* System Clock */
NCK
       /* Notification Detail */
NDS
       /* Next of Kin / Associated Parties */
NK1
       /* Bed Status Update */
NPU
       /* Application Status Change */
NSC
NST
       /* Application control level statistics */
       /* Notes and Comments */
NTE
       /* Observation Request */
OBR
       /* Observation/Result */
OBX
       /* Dietary Orders, Supplements, and Preferences */
ODS
       /* Diet Tray Instructions */
ODT
OH1
       /* Person Employment Status */
OH2
       /* Past or Present Job */
```

```
/* Usual Work */
OH3
       /* Combat Zone Work */
OH4
       /* General Segment */
OM1
       /* Numeric Observation */
       /* Categorical Service/Test/Observation */
OM3
       /* Observations that Require Specimens */
OM4
       /* Observation Batteries (Sets) */
OM5
       /* Observations that are Calculated from Other Observations */
OM6
OM7
       /* Additional Basic Attributes */
       /* Supporting Clinical Information */
OMC
       /* Common Order */
ORC
       /* Practitioner Organization Unit */
ORG
       /* Override Segment */
OVR
       /* Shipment Package */
PAC
PCE
       /* Patient Charge Cost Center Exceptions */
PCR
       /* Possible Causal Relationship */
       /* Patient Additional Demographic */
PD1
PDA
      /* Patient Death and Autopsy */
PDC
       /* Product Detail Country */
PEO
       /* Product Experience Observation */
       /* Product Experience Sender */
PES
       /* Patient Identification */
PID
       /* Item Packaging */
PKG
       /* Payer Master File */
PM1
       /* Payment Information */
PMT
PR1
       /* Procedures */
       /* Practitioner Detail */
PRA
       /* Problem Details */
PRB
       /* Pricing */
PRC
       /* Provider Data */
PRD
      /* Participation Information */
PRT
      /* Product/Service Group */
PSG
       /* Product Summary Header */
PSH
       /* Product/Service Line Item */
PSL
       /* Product/Service Section */
PSS
       /* Pathway */
PTH
       /* Patient Visit */
PV1
       /* Patient Visit - Additional Information */
PV2
       /* Payee Information */
PYE
       /* Query Acknowledgment */
QAK
       /* Query Identification */
QID
QPD
       /* Query Parameter Definition */
QRI
       /* Query Response Instance */
       /* Response Control Parameter */
RCP
       /* Table Row Definition */
RDF
       /* Table Row Data */
RDT
       /* Clinical Relationship Segment */
REL
       /* Referral Information */
RF1
RFI
       /* Request for Information */
       /* Resource Group */
RGS
       /* Risk Management Incident */
RMI
       /* Role */
ROL
       /* Requisition Detail-1 */
RO1
       /* Requisition Detail */
RQD
       /* Pharmacy/Treatment Administration */
RXA
RXC
       /* Pharmacy/Treatment Component Order */
RXD
       /* Pharmacy/Treatment Dispense */
```

```
/* Pharmacy/Treatment Encoded Order */
     RXE
     RXG
            /* Pharmacy/Treatment Give */
            /* Pharmacy/Treatment Order */
     RXO
           /* Pharmacy/Treatment Route */
   | RXR
            /* Pharmacy/Treatment Infusion */
     RXV
            /* Specimen Container detail */
     SAC
            /* Anti-Microbial Cycle Data */
     SCD
     SCH
            /* Scheduling Activity Information */
     SCP
            /* Sterilizer Configuration (Anti-Microbial Devices) */
     SDD
            /* Sterilization Device Data */
            /* Software Segment */
     SFT
            /* Segment Group Header */
     SGH
            /* Segment Group Trailer */
     SGT
            /* Shipment */
     SHP
            /* Substance Identifier */
     SID
            /* Sterilization Lot */
     SLT
           /* Specimen */
     SPM
     STF
           /* Staff Identification */
     STZ
            /* Sterilization Parameter */
     TCC
            /* Test Code Configuration */
            /* Test Code Detail */
     TCD
            /* Timing/Quantity */
     TO1
     TO2
            /* Timing/Quantity Relationship */
     TXA
            /* Transcription Document Header */
     UAC
            /* User Authentication Credential Segment */
     UB1
            /* Uniform Billing Data 1 */
     UB2
            /* Uniform Billing Data 2 */
            /* Variance */
     VAR
           /* Purchasing Vendor */
     VND
     ZL7
            /* (proposed example only) */
    /* Abstract */
ABS := ABS-1 F-SEP ABS-2 F-SEP ABS-3 F-SEP ABS-4 F-SEP ABS-5 F-SEP ABS-6 F-SEP
ABS-7 F-SEP ABS-8 F-SEP ABS-9 F-SEP ABS-10 F-SEP ABS-11 F-SEP ABS-12 F-SEP
ABS-13 F-SEP ABS-14
    /* Accident */
ACC := ACC-1 F-SEP ACC-2 F-SEP ACC-3 F-SEP ACC-4 F-SEP ACC-5 F-SEP ACC-6 F-SEP
ACC-7 F-SEP ACC-8 F-SEP ACC-9 F-SEP ACC-10 F-SEP ACC-11 F-SEP ACC-12 F-SEP
ACC-13
    /* Addendum */
ADD := ADD-1
    /* Adjustment */
ADJ := ADJ-1 F-SEP ADJ-2 F-SEP ADJ-3 F-SEP ADJ-4 F-SEP ADJ-5 F-SEP ADJ-6 F-SEP
ADJ-7 F-SEP ADJ-8 F-SEP ADJ-9 F-SEP ADJ-10 F-SEP ADJ-11 F-SEP ADJ-12 F-SEP
ADJ-13 F-SEP ADJ-14 F-SEP ADJ-15
```

```
/* Professional Affiliation */
AFF := AFF-1 F-SEP AFF-2 F-SEP AFF-3 F-SEP AFF-4 F-SEP AFF-5
    /* Appointment Information - General Resource */
AIG := AIG-1 F-SEP AIG-2 F-SEP AIG-3 F-SEP AIG-4 F-SEP AIG-5 F-SEP AIG-6 F-SEP
AIG-7 F-SEP AIG-8 F-SEP AIG-9 F-SEP AIG-10 F-SEP AIG-11 F-SEP AIG-12 F-SEP
AIG-13 F-SEP AIG-14
    /* Appointment Information - Location Resource */
AIL := AIL-1 F-SEP AIL-2 F-SEP AIL-3 F-SEP AIL-4 F-SEP AIL-5 F-SEP AIL-6 F-SEP
AIL-7 F-SEP AIL-8 F-SEP AIL-9 F-SEP AIL-10 F-SEP AIL-11 F-SEP AIL-12
    /* Appointment Information - Personnel Resource */
AIP := AIP-1 F-SEP AIP-2 F-SEP AIP-3 F-SEP AIP-4 F-SEP AIP-5 F-SEP AIP-6 F-SEP
AIP-7 F-SEP AIP-8 F-SEP AIP-9 F-SEP AIP-10 F-SEP AIP-11 F-SEP AIP-12
    /* Appointment Information */
AIS := AIS-1 F-SEP AIS-2 F-SEP AIS-3 F-SEP AIS-4 F-SEP AIS-5 F-SEP AIS-6 F-SEP
AIS-7 F-SEP AIS-8 F-SEP AIS-9 F-SEP AIS-10 F-SEP AIS-11 F-SEP AIS-12
    /* Patient Allergy Information */
AL1 := AL1-1 F-SEP AL1-2 F-SEP AL1-3 F-SEP AL1-4 F-SEP AL1-5 F-SEP AL1-6
    /* Appointment Preferences */
APR := APR-1 F-SEP APR-2 F-SEP APR-3 F-SEP APR-4 F-SEP APR-5
    /* Appointment Request */
ARQ := ARQ-1 F-SEP ARQ-2 F-SEP ARQ-3 F-SEP ARQ-4 F-SEP ARQ-5 F-SEP ARQ-6 F-SEP
ARQ-7 F-SEP ARQ-8 F-SEP ARQ-9 F-SEP ARQ-10 F-SEP ARQ-11 F-SEP ARQ-12 F-SEP
ARQ-13 F-SEP ARQ-14 F-SEP ARQ-15 F-SEP ARQ-16 F-SEP ARQ-17 F-SEP ARQ-18 F-SEP
ARO-19 F-SEP ARO-20 F-SEP ARO-21 F-SEP ARO-22 F-SEP ARO-23 F-SEP ARO-24 F-SEP
ARQ-25 F-SEP ARQ-26
    /* Access Restriction */
ARV := ARV-1 F-SEP ARV-2 F-SEP ARV-3 F-SEP ARV-4 F-SEP ARV-5 F-SEP ARV-6 F-SEP
ARV-7 F-SEP ARV-8 F-SEP ARV-9 F-SEP ARV-10
    /* Authorization Information */
AUT := AUT-1 F-SEP AUT-2 F-SEP AUT-3 F-SEP AUT-4 F-SEP AUT-5 F-SEP AUT-6 F-SEP
AUT-7 F-SEP AUT-8 F-SEP AUT-9 F-SEP AUT-10 F-SEP AUT-11 F-SEP AUT-12 F-SEP
AUT-13 F-SEP AUT-14 F-SEP AUT-15 F-SEP AUT-16 F-SEP AUT-17 F-SEP AUT-18 F-SEP
AUT-19 F-SEP AUT-20 F-SEP AUT-21 F-SEP AUT-22 F-SEP AUT-23 F-SEP AUT-24 F-SEP
AUT-25 F-SEP AUT-26 F-SEP AUT-27 F-SEP AUT-28 F-SEP AUT-29
    /* Batch Header */
```

```
/* Blood Code */
BLC := BLC-1 F-SEP BLC-2
    /* Billing */
BLG := BLG-1 F-SEP BLG-2 F-SEP BLG-3 F-SEP BLG-4
    /* Blood product order */
BPO := BPO-1 F-SEP BPO-2 F-SEP BPO-3 F-SEP BPO-4 F-SEP BPO-5 F-SEP BPO-6 F-SEP
BPO-7 F-SEP BPO-8 F-SEP BPO-9 F-SEP BPO-10 F-SEP BPO-11 F-SEP BPO-12 F-SEP
BPO-13 F-SEP BPO-14
    /* Blood product dispense status */
BPX := BPX-1 F-SEP BPX-2 F-SEP BPX-3 F-SEP BPX-4 F-SEP BPX-5 F-SEP BPX-6 F-SEP
BPX-7 F-SEP BPX-8 F-SEP BPX-9 F-SEP BPX-10 F-SEP BPX-11 F-SEP BPX-12 F-SEP
BPX-13 F-SEP BPX-14 F-SEP BPX-15 F-SEP BPX-16 F-SEP BPX-17 F-SEP BPX-18 F-SEP
BPX-19 F-SEP BPX-20 F-SEP BPX-21 F-SEP BPX-22
    /* Batch Trailer */
BTS := BTS-1 F-SEP BTS-2 F-SEP BTS-3
    /* Blood Product Transfusion/Disposition */
BTX := BTX-1 F-SEP BTX-2 F-SEP BTX-3 F-SEP BTX-4 F-SEP BTX-5 F-SEP BTX-6 F-SEP
BTX-7 F-SEP BTX-8 F-SEP BTX-9 F-SEP BTX-10 F-SEP BTX-11 F-SEP BTX-12 F-SEP
BTX-13 F-SEP BTX-14 F-SEP BTX-15 F-SEP BTX-16 F-SEP BTX-17 F-SEP BTX-18 F-SEP
BTX-19 F-SEP BTX-20 F-SEP BTX-21
    /* Blood Unit Information */
BUI := BUI-1 F-SEP BUI-2 F-SEP BUI-3 F-SEP BUI-4 F-SEP BUI-5 F-SEP BUI-6 F-SEP
BUI-7 F-SEP BUI-8 F-SEP BUI-9 F-SEP BUI-10 F-SEP BUI-11 F-SEP BUI-12 F-SEP
BUI-13
    /* Charge Description Master */
CDM := CDM-1 F-SEP CDM-2 F-SEP CDM-3 F-SEP CDM-4 F-SEP CDM-5 F-SEP CDM-6 F-SEP
CDM-7 F-SEP CDM-8 F-SEP CDM-9 F-SEP CDM-10 F-SEP CDM-11 F-SEP CDM-12 F-SEP
CDM-13
    /* Cumulative Dosage */
CDO := CDO-1 F-SEP CDO-2 F-SEP CDO-3 F-SEP CDO-4
    /* Certificate Detail */
CER := CER-1 F-SEP CER-2 F-SEP CER-3 F-SEP CER-4 F-SEP CER-5 F-SEP CER-6 F-SEP
CER-7 F-SEP CER-8 F-SEP CER-9 F-SEP CER-10 F-SEP CER-11 F-SEP CER-12 F-SEP
```

BHS := BHS-1 F-SEP BHS-2 F-SEP BHS-3 F-SEP BHS-4 F-SEP BHS-5 F-SEP BHS-6 F-SEP BHS-7 F-SEP BHS-8 F-SEP BHS-9 F-SEP BHS-10 F-SEP BHS-11 F-SEP BHS-12 F-SEP

BHS-13 F-SEP BHS-14 F-SEP BHS-15 F-SEP BHS-16 F-SEP BHS-17

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CER-13 F-SEP CER-14 F-SEP CER-15 F-SEP CER-16 F-SEP CER-17 F-SEP CER-18 F-SEP
CER-19 F-SEP CER-20 F-SEP CER-21 F-SEP CER-22 F-SEP CER-23 F-SEP CER-24 F-SEP
CER-25 F-SEP CER-26 F-SEP CER-27 F-SEP CER-28 F-SEP CER-29 F-SEP CER-30 F-SEP
CER-31
    /* Clinical Study Master */
CMO := CMO-1 F-SEP CMO-2 F-SEP CMO-3 F-SEP CMO-4 F-SEP CMO-5 F-SEP CMO-6 F-SEP
CMO-7 F-SEP CMO-8 F-SEP CMO-9 F-SEP CMO-10 F-SEP CMO-11
    /* Clinical Study Phase Master */
CM1 := CM1-1 F-SEP CM1-2 F-SEP CM1-3
    /* Clinical Study Schedule Master */
CM2 := CM2-1 F-SEP CM2-2 F-SEP CM2-3 F-SEP CM2-4
    /* Clear Notification */
CNS := CNS-1 F-SEP CNS-2 F-SEP CNS-3 F-SEP CNS-4 F-SEP CNS-5 F-SEP CNS-6
    /* Consent Segment */
CON := CON-1 F-SEP CON-2 F-SEP CON-3 F-SEP CON-4 F-SEP CON-5 F-SEP CON-6 F-SEP
CON-7 F-SEP CON-8 F-SEP CON-9 F-SEP CON-10 F-SEP CON-11 F-SEP CON-12 F-SEP
CON-13 F-SEP CON-14 F-SEP CON-15 F-SEP CON-16 F-SEP CON-17 F-SEP CON-18 F-SEP
CON-19 F-SEP CON-20 F-SEP CON-21 F-SEP CON-22 F-SEP CON-23 F-SEP CON-24 F-SEP
CON-25
    /* Clinical Study Phase */
CSP := CSP-1 F-SEP CSP-2 F-SEP CSP-3 F-SEP CSP-4
    /* Clinical Study Registration */
CSR := CSR-1 F-SEP CSR-2 F-SEP CSR-3 F-SEP CSR-4 F-SEP CSR-5 F-SEP CSR-6 F-SEP
CSR-7 F-SEP CSR-8 F-SEP CSR-9 F-SEP CSR-10 F-SEP CSR-11 F-SEP CSR-12 F-SEP
CSR-13 F-SEP CSR-14 F-SEP CSR-15 F-SEP CSR-16 F-SEP CSR-17
    /* Clinical Study Data Schedule Segment */
CSS := CSS-1 F-SEP CSS-2 F-SEP CSS-3
    /* Contact Data */
CTD := CTD-1 F-SEP CTD-2 F-SEP CTD-3 F-SEP CTD-4 F-SEP CTD-5 F-SEP CTD-6 F-SEP
CTD-7
    /* Clinical Trial Identification */
CTI := CTI-1 F-SEP CTI-2 F-SEP CTI-3 F-SEP CTI-4
    /* Contract Master Outbound */
```

```
CTR := CTR-1 F-SEP CTR-2 F-SEP CTR-3 F-SEP CTR-4 F-SEP CTR-5 F-SEP CTR-6 F-SEP
CTR-7 F-SEP CTR-8 F-SEP CTR-9 F-SEP CTR-10 F-SEP CTR-11 F-SEP CTR-12 F-SEP
CTR-13 F-SEP CTR-14 F-SEP CTR-15 F-SEP CTR-16 F-SEP CTR-17 F-SEP CTR-18 F-SEP
CTR-19 F-SEP CTR-20 F-SEP CTR-21
    /* Disability */
DB1 := DB1-1 F-SEP DB1-2 F-SEP DB1-3 F-SEP DB1-4 F-SEP DB1-5 F-SEP DB1-6 F-SEP
DB1-7 F-SEP DB1-8
    /* Device */
DEV := DEV-1 F-SEP DEV-2 F-SEP DEV-3 F-SEP DEV-4 F-SEP DEV-5 F-SEP DEV-6 F-SEP
DEV-7 F-SEP DEV-8 F-SEP DEV-9 F-SEP DEV-10 F-SEP DEV-11 F-SEP DEV-12 F-SEP
DEV-13 F-SEP DEV-14 F-SEP DEV-15 F-SEP DEV-16 F-SEP DEV-17
    /* Diagnosis */
DG1 := DG1-1 F-SEP DG1-2 F-SEP DG1-3 F-SEP DG1-4 F-SEP DG1-5 F-SEP DG1-6 F-SEP
DG1-7 F-SEP DG1-8 F-SEP DG1-9 F-SEP DG1-10 F-SEP DG1-11 F-SEP DG1-12 F-SEP
DG1-13 F-SEP DG1-14 F-SEP DG1-15 F-SEP DG1-16 F-SEP DG1-17 F-SEP DG1-18 F-SEP
DG1-19 F-SEP DG1-20 F-SEP DG1-21 F-SEP DG1-22 F-SEP DG1-23 F-SEP DG1-24 F-SEP
DG1-25 F-SEP DG1-26
    /* DRG Master File Information */
DMI := DMI-1 F-SEP DMI-2 F-SEP DMI-3 F-SEP DMI-4 F-SEP DMI-5
    /* Donation */
DON := DON-1 F-SEP DON-2 F-SEP DON-3 F-SEP DON-4 F-SEP DON-5 F-SEP DON-6 F-SEP
DON-7 F-SEP DON-8 F-SEP DON-9 F-SEP DON-10 F-SEP DON-11 F-SEP DON-12 F-SEP
DON-13 F-SEP DON-14 F-SEP DON-15 F-SEP DON-16 F-SEP DON-17 F-SEP DON-18 F-SEP
DON-19 F-SEP DON-20 F-SEP DON-21 F-SEP DON-22 F-SEP DON-23 F-SEP DON-24 F-SEP
DON-25 F-SEP DON-26 F-SEP DON-27 F-SEP DON-28 F-SEP DON-29 F-SEP DON-30 F-SEP
DON-31 F-SEP DON-32 F-SEP DON-33 F-SEP DON-34
    /* Diagnosis and Procedure Code Segment */
DPS := DPS-1 F-SEP DPS-2 F-SEP DPS-3 F-SEP DPS-4 F-SEP DPS-5
    /* Diagnosis Related Group */
DRG := DRG-1 F-SEP DRG-2 F-SEP DRG-3 F-SEP DRG-4 F-SEP DRG-5 F-SEP DRG-6 F-SEP
DRG-7 F-SEP DRG-8 F-SEP DRG-9 F-SEP DRG-10 F-SEP DRG-11 F-SEP DRG-12 F-SEP
DRG-13 F-SEP DRG-14 F-SEP DRG-15 F-SEP DRG-16 F-SEP DRG-17 F-SEP DRG-18 F-SEP
DRG-19 F-SEP DRG-20 F-SEP DRG-21 F-SEP DRG-22 F-SEP DRG-23 F-SEP DRG-24 F-SEP
DRG-25 F-SEP DRG-26 F-SEP DRG-27 F-SEP DRG-28 F-SEP DRG-29 F-SEP DRG-30 F-SEP
DRG-31 F-SEP DRG-32 F-SEP DRG-33
    /* Continuation Pointer */
DSC := DSC-1 F-SEP DSC-2
    /* Display Data */
```

```
DSP := DSP-1 F-SEP DSP-2 F-SEP DSP-3 F-SEP DSP-4 F-SEP DSP-5
    /* Transport Destination */
DST := DST-1 F-SEP DST-2
    /* Equipment Command */
ECD := ECD-1 F-SEP ECD-2 F-SEP ECD-3 F-SEP ECD-4 F-SEP ECD-5
    /* Equipment Command Response */
ECR := ECR-1 F-SEP ECR-2 F-SEP ECR-3
    /* Educational Detail */
EDU := EDU-1 F-SEP EDU-2 F-SEP EDU-3 F-SEP EDU-4 F-SEP EDU-5 F-SEP EDU-6 F-SEP
EDU-7 F-SEP EDU-8 F-SEP EDU-9
    /* Equipment/log Service */
EQP := EQP-1 F-SEP EQP-2 F-SEP EQP-3 F-SEP EQP-4 F-SEP EQP-5
    /* Equipment Detail */
EQU := EQU-1 F-SEP EQU-2 F-SEP EQU-3 F-SEP EQU-4 F-SEP EQU-5 F-SEP EQU-6
    /* Error */
ERR := ERR-1 F-SEP ERR-2 F-SEP ERR-3 F-SEP ERR-4 F-SEP ERR-5 F-SEP ERR-6 F-SEP
ERR-7 F-SEP ERR-8 F-SEP ERR-9 F-SEP ERR-10 F-SEP ERR-11 F-SEP ERR-12
   /* Event Type */
EVN := EVN-1 F-SEP EVN-2 F-SEP EVN-3 F-SEP EVN-4 F-SEP EVN-5 F-SEP EVN-6 F-SEP
EVN-7
    /* Facility */
FAC := FAC-1 F-SEP FAC-2 F-SEP FAC-3 F-SEP FAC-4 F-SEP FAC-5 F-SEP FAC-6 F-SEP
FAC-7 F-SEP FAC-8 F-SEP FAC-9 F-SEP FAC-10 F-SEP FAC-11 F-SEP FAC-12
    /* File Header */
FHS := FHS-1 F-SEP FHS-2 F-SEP FHS-3 F-SEP FHS-4 F-SEP FHS-5 F-SEP FHS-6 F-SEP
FHS-7 F-SEP FHS-8 F-SEP FHS-9 F-SEP FHS-10 F-SEP FHS-11 F-SEP FHS-12 F-SEP
FHS-13 F-SEP FHS-14 F-SEP FHS-15 F-SEP FHS-16 F-SEP FHS-17
    /* Financial Transaction */
FT1 := FT1-1 F-SEP FT1-2 F-SEP FT1-3 F-SEP FT1-4 F-SEP FT1-5 F-SEP FT1-6 F-SEP
FT1-7 F-SEP FT1-8 F-SEP FT1-9 F-SEP FT1-10 F-SEP FT1-11 F-SEP FT1-12 F-SEP
FT1-13 F-SEP FT1-14 F-SEP FT1-15 F-SEP FT1-16 F-SEP FT1-17 F-SEP FT1-18 F-SEP
FT1-19 F-SEP FT1-20 F-SEP FT1-21 F-SEP FT1-22 F-SEP FT1-23 F-SEP FT1-24 F-SEP
FT1-25 F-SEP FT1-26 F-SEP FT1-27 F-SEP FT1-28 F-SEP FT1-29 F-SEP FT1-30 F-SEP
FT1-31 F-SEP FT1-32 F-SEP FT1-33 F-SEP FT1-34 F-SEP FT1-35 F-SEP FT1-36 F-SEP
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FT1-37 F-SEP FT1-38 F-SEP FT1-39 F-SEP FT1-40 F-SEP FT1-41 F-SEP FT1-42 F-SEP
FT1-43 F-SEP FT1-44 F-SEP FT1-45 F-SEP FT1-46 F-SEP FT1-47 F-SEP FT1-48 F-SEP
FT1-49 F-SEP FT1-50 F-SEP FT1-51 F-SEP FT1-52 F-SEP FT1-53 F-SEP FT1-54 F-SEP
FT1-55 F-SEP FT1-56
    /* File Trailer */
FTS := FTS-1 F-SEP FTS-2
    /* Goal Detail */
GOL := GOL-1 F-SEP GOL-2 F-SEP GOL-3 F-SEP GOL-4 F-SEP GOL-5 F-SEP GOL-6 F-SEP
GOL-7 F-SEP GOL-8 F-SEP GOL-9 F-SEP GOL-10 F-SEP GOL-11 F-SEP GOL-12 F-SEP
GOL-13 F-SEP GOL-14 F-SEP GOL-15 F-SEP GOL-16 F-SEP GOL-17 F-SEP GOL-18 F-SEP
GOL-19 F-SEP GOL-20 F-SEP GOL-21 F-SEP GOL-22
    /* Grouping/Reimbursement - Visit */
GP1 := GP1-1 F-SEP GP1-2 F-SEP GP1-3 F-SEP GP1-4 F-SEP GP1-5
    /* Grouping/Reimbursement - Procedure Line Item */
GP2 := GP2-1 F-SEP GP2-2 F-SEP GP2-3 F-SEP GP2-4 F-SEP GP2-5 F-SEP GP2-6 F-SEP
GP2-7 F-SEP GP2-8 F-SEP GP2-9 F-SEP GP2-10 F-SEP GP2-11 F-SEP GP2-12 F-SEP
GP2-13 F-SEP GP2-14
    /* Sex Parameter for Clinical Use */
GSC := GSC-1 F-SEP GSC-2 F-SEP GSC-3 F-SEP GSC-4 F-SEP GSC-5 F-SEP GSC-6 F-SEP
GSC-7 F-SEP GSC-8
    /* Person Gender and Sex */
GSP := GSP-1 F-SEP GSP-2 F-SEP GSP-3 F-SEP GSP-4 F-SEP GSP-5 F-SEP GSP-6 F-SEP
GSP-7
    /* Recorded Gender and Sex */
GSR := GSR-1 F-SEP GSR-2 F-SEP GSR-3 F-SEP GSR-4 F-SEP GSR-5 F-SEP GSR-6 F-SEP
GSR-7 F-SEP GSR-8 F-SEP GSR-9 F-SEP GSR-10
    /* Guarantor */
GT1 := GT1-1 F-SEP GT1-2 F-SEP GT1-3 F-SEP GT1-4 F-SEP GT1-5 F-SEP GT1-6 F-SEP
GT1-7 F-SEP GT1-8 F-SEP GT1-9 F-SEP GT1-10 F-SEP GT1-11 F-SEP GT1-12 F-SEP
GT1-13 F-SEP GT1-14 F-SEP GT1-15 F-SEP GT1-16 F-SEP GT1-17 F-SEP GT1-18 F-SEP
GT1-19 F-SEP GT1-20 F-SEP GT1-21 F-SEP GT1-22 F-SEP GT1-23 F-SEP GT1-24 F-SEP
GT1-25 F-SEP GT1-26 F-SEP GT1-27 F-SEP GT1-28 F-SEP GT1-29 F-SEP GT1-30 F-SEP
GT1-31 F-SEP GT1-32 F-SEP GT1-33 F-SEP GT1-34 F-SEP GT1-35 F-SEP GT1-36 F-SEP
GT1-37 F-SEP GT1-38 F-SEP GT1-39 F-SEP GT1-40 F-SEP GT1-41 F-SEP GT1-42 F-SEP
GT1-43 F-SEP GT1-44 F-SEP GT1-45 F-SEP GT1-46 F-SEP GT1-47 F-SEP GT1-48 F-SEP
GT1-49 F-SEP GT1-50 F-SEP GT1-51 F-SEP GT1-52 F-SEP GT1-53 F-SEP GT1-54 F-SEP
GT1-55 F-SEP GT1-56 F-SEP GT1-57
    /* Patient Adverse Reaction Information */
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IAM := IAM-1 F-SEP IAM-2 F-SEP IAM-3 F-SEP IAM-4 F-SEP IAM-5 F-SEP IAM-6 F-SEP
IAM-7 F-SEP IAM-8 F-SEP IAM-9 F-SEP IAM-10 F-SEP IAM-11 F-SEP IAM-12 F-SEP
IAM-13 F-SEP IAM-14 F-SEP IAM-15 F-SEP IAM-16 F-SEP IAM-17 F-SEP IAM-18 F-SEP
IAM-19 F-SEP IAM-20 F-SEP IAM-21 F-SEP IAM-22 F-SEP IAM-23 F-SEP IAM-24 F-SEP
IAM-25 F-SEP IAM-26 F-SEP IAM-27 F-SEP IAM-28 F-SEP IAM-29 F-SEP IAM-30
    /* allergy reaction */
IAR := IAR-1 F-SEP IAR-2 F-SEP IAR-3 F-SEP IAR-4
    /* Inventory Item Master */
IIM := IIM-1 F-SEP IIM-2 F-SEP IIM-3 F-SEP IIM-4 F-SEP IIM-5 F-SEP IIM-6 F-SEP
IIM-7 F-SEP IIM-8 F-SEP IIM-9 F-SEP IIM-10 F-SEP IIM-11 F-SEP IIM-12 F-SEP
IIM-13 F-SEP IIM-14 F-SEP IIM-15
    /* Material Lot */
ILT := ILT-1 F-SEP ILT-2 F-SEP ILT-3 F-SEP ILT-4 F-SEP ILT-5 F-SEP ILT-6 F-SEP
ILT-7 F-SEP ILT-8 F-SEP ILT-9 F-SEP ILT-10
    /* Insurance */
IN1 := IN1-1 F-SEP IN1-2 F-SEP IN1-3 F-SEP IN1-4 F-SEP IN1-5 F-SEP IN1-6 F-SEP
IN1-7 F-SEP IN1-8 F-SEP IN1-9 F-SEP IN1-10 F-SEP IN1-11 F-SEP IN1-12 F-SEP
IN1-13 F-SEP IN1-14 F-SEP IN1-15 F-SEP IN1-16 F-SEP IN1-17 F-SEP IN1-18 F-SEP
IN1-19 F-SEP IN1-20 F-SEP IN1-21 F-SEP IN1-22 F-SEP IN1-23 F-SEP IN1-24 F-SEP
IN1-25 F-SEP IN1-26 F-SEP IN1-27 F-SEP IN1-28 F-SEP IN1-29 F-SEP IN1-30 F-SEP
IN1-31 F-SEP IN1-32 F-SEP IN1-33 F-SEP IN1-34 F-SEP IN1-35 F-SEP IN1-36 F-SEP
IN1-37 F-SEP IN1-38 F-SEP IN1-39 F-SEP IN1-40 F-SEP IN1-41 F-SEP IN1-42 F-SEP
IN1-43 F-SEP IN1-44 F-SEP IN1-45 F-SEP IN1-46 F-SEP IN1-47 F-SEP IN1-48 F-SEP
IN1-49 F-SEP IN1-50 F-SEP IN1-51 F-SEP IN1-52 F-SEP IN1-53 F-SEP IN1-54 F-SEP
IN1-55 F-SEP IN1-56
    /* Insurance Additional Information */
IN2 := IN2-1 F-SEP IN2-2 F-SEP IN2-3 F-SEP IN2-4 F-SEP IN2-5 F-SEP IN2-6 F-SEP
IN2-7 F-SEP IN2-8 F-SEP IN2-9 F-SEP IN2-10 F-SEP IN2-11 F-SEP IN2-12 F-SEP
IN2-13 F-SEP IN2-14 F-SEP IN2-15 F-SEP IN2-16 F-SEP IN2-17 F-SEP IN2-18 F-SEP
IN2-19 F-SEP IN2-20 F-SEP IN2-21 F-SEP IN2-22 F-SEP IN2-23 F-SEP IN2-24 F-SEP
IN2-25 F-SEP IN2-26 F-SEP IN2-27 F-SEP IN2-28 F-SEP IN2-29 F-SEP IN2-30 F-SEP
IN2-31 F-SEP IN2-32 F-SEP IN2-33 F-SEP IN2-34 F-SEP IN2-35 F-SEP IN2-36 F-SEP
IN2-37 F-SEP IN2-38 F-SEP IN2-39 F-SEP IN2-40 F-SEP IN2-41 F-SEP IN2-42 F-SEP
IN2-43 F-SEP IN2-44 F-SEP IN2-45 F-SEP IN2-46 F-SEP IN2-47 F-SEP IN2-48 F-SEP
IN2-49 F-SEP IN2-50 F-SEP IN2-51 F-SEP IN2-52 F-SEP IN2-53 F-SEP IN2-54 F-SEP
IN2-55 F-SEP IN2-56 F-SEP IN2-57 F-SEP IN2-58 F-SEP IN2-59 F-SEP IN2-60 F-SEP
IN2-61 F-SEP IN2-62 F-SEP IN2-63 F-SEP IN2-64 F-SEP IN2-65 F-SEP IN2-66 F-SEP
IN2-67 F-SEP IN2-68 F-SEP IN2-69 F-SEP IN2-70 F-SEP IN2-71 F-SEP IN2-72 F-SEP
IN2-73
    /* Insurance Additional Information, Certification */
IN3 := IN3-1 F-SEP IN3-2 F-SEP IN3-3 F-SEP IN3-4 F-SEP IN3-5 F-SEP IN3-6 F-SEP
IN3-7 F-SEP IN3-8 F-SEP IN3-9 F-SEP IN3-10 F-SEP IN3-11 F-SEP IN3-12 F-SEP
IN3-13 F-SEP IN3-14 F-SEP IN3-15 F-SEP IN3-16 F-SEP IN3-17 F-SEP IN3-18 F-SEP
IN3-19 F-SEP IN3-20 F-SEP IN3-21 F-SEP IN3-22 F-SEP IN3-23 F-SEP IN3-24 F-SEP
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IN3-31
    /* Inventory Detail */
INV := INV-1 F-SEP INV-2 F-SEP INV-3 F-SEP INV-4 F-SEP INV-5 F-SEP INV-6 F-SEP
INV-7 F-SEP INV-8 F-SEP INV-9 F-SEP INV-10 F-SEP INV-11 F-SEP INV-12 F-SEP
INV-13 F-SEP INV-14 F-SEP INV-15 F-SEP INV-16 F-SEP INV-17 F-SEP INV-18 F-SEP
INV-19 F-SEP INV-20 F-SEP INV-21 F-SEP INV-22
    /* Imaging Procedure Control Segment */
IPC := IPC-1 F-SEP IPC-2 F-SEP IPC-3 F-SEP IPC-4 F-SEP IPC-5 F-SEP IPC-6 F-SEP
IPC-7 F-SEP IPC-8 F-SEP IPC-9 F-SEP IPC-10
    /* Invoice Processing Results */
IPR := IPR-1 F-SEP IPR-2 F-SEP IPR-3 F-SEP IPR-4 F-SEP IPR-5 F-SEP IPR-6 F-SEP
IPR-7 F-SEP IPR-8
    /* Interaction Status Detail */
ISD := ISD-1 F-SEP ISD-2 F-SEP ISD-3
    /* Material Item */
ITM := ITM-1 F-SEP ITM-2 F-SEP ITM-3 F-SEP ITM-4 F-SEP ITM-5 F-SEP ITM-6 F-SEP
ITM-7 F-SEP ITM-8 F-SEP ITM-9 F-SEP ITM-10 F-SEP ITM-11 F-SEP ITM-12 F-SEP
ITM-13 F-SEP ITM-14 F-SEP ITM-15 F-SEP ITM-16 F-SEP ITM-17 F-SEP ITM-18 F-SEP
ITM-19 F-SEP ITM-20 F-SEP ITM-21 F-SEP ITM-22 F-SEP ITM-23 F-SEP ITM-24 F-SEP
ITM-25 F-SEP ITM-26 F-SEP ITM-27 F-SEP ITM-28 F-SEP ITM-29 F-SEP ITM-30 F-SEP
ITM-31 F-SEP ITM-32 F-SEP ITM-33 F-SEP ITM-34 F-SEP ITM-35 F-SEP ITM-36 F-SEP
ITM-37 F-SEP ITM-38
    /* Invoice Segment */
IVC := IVC-1 F-SEP IVC-2 F-SEP IVC-3 F-SEP IVC-4 F-SEP IVC-5 F-SEP IVC-6 F-SEP
IVC-7 F-SEP IVC-8 F-SEP IVC-9 F-SEP IVC-10 F-SEP IVC-11 F-SEP IVC-12 F-SEP
IVC-13 F-SEP IVC-14 F-SEP IVC-15 F-SEP IVC-16 F-SEP IVC-17 F-SEP IVC-18 F-SEP
IVC-19 F-SEP IVC-20 F-SEP IVC-21 F-SEP IVC-22 F-SEP IVC-23 F-SEP IVC-24 F-SEP
IVC-25 F-SEP IVC-26 F-SEP IVC-27 F-SEP IVC-28 F-SEP IVC-29 F-SEP IVC-30
    /* Material Location */
IVT := IVT-1 F-SEP IVT-2 F-SEP IVT-3 F-SEP IVT-4 F-SEP IVT-5 F-SEP IVT-6 F-SEP
IVT-7 F-SEP IVT-8 F-SEP IVT-9 F-SEP IVT-10 F-SEP IVT-11 F-SEP IVT-12 F-SEP
IVT-13 F-SEP IVT-14 F-SEP IVT-15 F-SEP IVT-16 F-SEP IVT-17 F-SEP IVT-18 F-SEP
IVT-19 F-SEP IVT-20 F-SEP IVT-21 F-SEP IVT-22 F-SEP IVT-23 F-SEP IVT-24 F-SEP
IVT-25 F-SEP IVT-26
    /* Language Detail */
LAN := LAN-1 F-SEP LAN-2 F-SEP LAN-3 F-SEP LAN-4
    /* Location Charge Code */
```

IN3-25 F-SEP IN3-26 F-SEP IN3-27 F-SEP IN3-28 F-SEP IN3-29 F-SEP IN3-30 F-SEP

```
LCC := LCC-1 F-SEP LCC-2 F-SEP LCC-3 F-SEP LCC-4
    /* Location Characteristic */
LCH := LCH-1 F-SEP LCH-2 F-SEP LCH-3 F-SEP LCH-4 F-SEP LCH-5
    /* Location Department */
LDP := LDP-1 F-SEP LDP-2 F-SEP LDP-3 F-SEP LDP-4 F-SEP LDP-5 F-SEP LDP-6 F-SEP
LDP-7 F-SEP LDP-8 F-SEP LDP-9 F-SEP LDP-10 F-SEP LDP-11 F-SEP LDP-12
    /* Location Identification */
LOC := LOC-1 F-SEP LOC-2 F-SEP LOC-3 F-SEP LOC-4 F-SEP LOC-5 F-SEP LOC-6 F-SEP
LOC-7 F-SEP LOC-8 F-SEP LOC-9
    /* Location Relationship */
LRL := LRL-1 F-SEP LRL-2 F-SEP LRL-3 F-SEP LRL-4 F-SEP LRL-5 F-SEP LRL-6
    /* Master File Coverage */
MCP := MCP-1 F-SEP MCP-2 F-SEP MCP-3 F-SEP MCP-4 F-SEP MCP-5
    /* Master File Acknowledgment */
MFA := MFA-1 F-SEP MFA-2 F-SEP MFA-3 F-SEP MFA-4 F-SEP MFA-5 F-SEP MFA-6
    /* Master File Entry */
MFE := MFE-1 F-SEP MFE-2 F-SEP MFE-3 F-SEP MFE-4 F-SEP MFE-5 F-SEP MFE-6 F-SEP
MFE-7
    /* Master File Identification */
MFI := MFI-1 F-SEP MFI-2 F-SEP MFI-3 F-SEP MFI-4 F-SEP MFI-5 F-SEP MFI-6
    /* Merge Patient Information */
MRG := MRG-1 F-SEP MRG-2 F-SEP MRG-3 F-SEP MRG-4 F-SEP MRG-5 F-SEP MRG-6 F-SEP
MRG-7
    /* Message Acknowledgment */
MSA := MSA-1 F-SEP MSA-2 F-SEP MSA-3 F-SEP MSA-4 F-SEP MSA-5 F-SEP MSA-6 F-SEP
MSA-7 F-SEP MSA-8
    /* Message Header */
MSH := MSH-1 F-SEP MSH-2 F-SEP MSH-3 F-SEP MSH-4 F-SEP MSH-5 F-SEP MSH-6 F-SEP
MSH-7 F-SEP MSH-8 F-SEP MSH-9 F-SEP MSH-10 F-SEP MSH-11 F-SEP MSH-12 F-SEP
MSH-13 F-SEP MSH-14 F-SEP MSH-15 F-SEP MSH-16 F-SEP MSH-17 F-SEP MSH-18 F-SEP
MSH-19 F-SEP MSH-20 F-SEP MSH-21 F-SEP MSH-22 F-SEP MSH-23 F-SEP MSH-24 F-SEP
MSH-25 F-SEP MSH-26 F-SEP MSH-27 F-SEP MSH-28
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/* System Clock */
NCK := NCK-1
    /* Notification Detail */
NDS := NDS-1 F-SEP NDS-2 F-SEP NDS-3 F-SEP NDS-4
    /* Next of Kin / Associated Parties */
NK1 := NK1-1 F-SEP NK1-2 F-SEP NK1-3 F-SEP NK1-4 F-SEP NK1-5 F-SEP NK1-6 F-SEP
NK1-7 F-SEP NK1-8 F-SEP NK1-9 F-SEP NK1-10 F-SEP NK1-11 F-SEP NK1-12 F-SEP
NK1-13 F-SEP NK1-14 F-SEP NK1-15 F-SEP NK1-16 F-SEP NK1-17 F-SEP NK1-18 F-SEP
NK1-19 F-SEP NK1-20 F-SEP NK1-21 F-SEP NK1-22 F-SEP NK1-23 F-SEP NK1-24 F-SEP
NK1-25 F-SEP NK1-26 F-SEP NK1-27 F-SEP NK1-28 F-SEP NK1-29 F-SEP NK1-30 F-SEP
NK1-31 F-SEP NK1-32 F-SEP NK1-33 F-SEP NK1-34 F-SEP NK1-35 F-SEP NK1-36 F-SEP
NK1-37 F-SEP NK1-38 F-SEP NK1-39 F-SEP NK1-40 F-SEP NK1-41
    /* Bed Status Update */
NPU := NPU-1 F-SEP NPU-2
    /* Application Status Change */
NSC := NSC-1 F-SEP NSC-2 F-SEP NSC-3 F-SEP NSC-4 F-SEP NSC-5 F-SEP NSC-6 F-SEP
NSC-7 F-SEP NSC-8 F-SEP NSC-9
    /* Application control level statistics */
NST := NST-1 F-SEP NST-2 F-SEP NST-3 F-SEP NST-4 F-SEP NST-5 F-SEP NST-6 F-SEP
NST-7 F-SEP NST-8 F-SEP NST-9 F-SEP NST-10 F-SEP NST-11 F-SEP NST-12 F-SEP
NST-13 F-SEP NST-14 F-SEP NST-15
    /* Notes and Comments */
NTE := NTE-1 F-SEP NTE-2 F-SEP NTE-3 F-SEP NTE-4 F-SEP NTE-5 F-SEP NTE-6 F-SEP
NTE-7 F-SEP NTE-8 F-SEP NTE-9
    /* Observation Request */
OBR := OBR-1 F-SEP OBR-2 F-SEP OBR-3 F-SEP OBR-4 F-SEP OBR-5 F-SEP OBR-6 F-SEP
OBR-7 F-SEP OBR-8 F-SEP OBR-9 F-SEP OBR-10 F-SEP OBR-11 F-SEP OBR-12 F-SEP
OBR-13 F-SEP OBR-14 F-SEP OBR-15 F-SEP OBR-16 F-SEP OBR-17 F-SEP OBR-18 F-SEP
OBR-19 F-SEP OBR-20 F-SEP OBR-21 F-SEP OBR-22 F-SEP OBR-23 F-SEP OBR-24 F-SEP
OBR-25 F-SEP OBR-26 F-SEP OBR-27 F-SEP OBR-28 F-SEP OBR-29 F-SEP OBR-30 F-SEP
OBR-31 F-SEP OBR-32 F-SEP OBR-33 F-SEP OBR-34 F-SEP OBR-35 F-SEP OBR-36 F-SEP
OBR-37 F-SEP OBR-38 F-SEP OBR-39 F-SEP OBR-40 F-SEP OBR-41 F-SEP OBR-42 F-SEP
OBR-43 F-SEP OBR-44 F-SEP OBR-45 F-SEP OBR-46 F-SEP OBR-47 F-SEP OBR-48 F-SEP
OBR-49 F-SEP OBR-50 F-SEP OBR-51 F-SEP OBR-52 F-SEP OBR-53 F-SEP OBR-54 F-SEP
OBR-55
    /* Observation/Result */
OBX := OBX-1 F-SEP OBX-2 F-SEP OBX-3 F-SEP OBX-4 F-SEP OBX-5 F-SEP OBX-6 F-SEP
OBX-7 F-SEP OBX-8 F-SEP OBX-9 F-SEP OBX-10 F-SEP OBX-11 F-SEP OBX-12 F-SEP
OBX-13 F-SEP OBX-14 F-SEP OBX-15 F-SEP OBX-16 F-SEP OBX-17 F-SEP OBX-18 F-SEP
OBX-19 F-SEP OBX-20 F-SEP OBX-21 F-SEP OBX-22 F-SEP OBX-23 F-SEP OBX-24 F-SEP
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OBX-25 F-SEP OBX-26 F-SEP OBX-27 F-SEP OBX-28 F-SEP OBX-29 F-SEP OBX-30 F-SEP
OBX-31 F-SEP OBX-32 F-SEP OBX-33
    /* Dietary Orders, Supplements, and Preferences */
ODS := ODS-1 F-SEP ODS-2 F-SEP ODS-3 F-SEP ODS-4
    /* Diet Tray Instructions */
ODT := ODT-1 F-SEP ODT-2 F-SEP ODT-3
    /* Person Employment Status */
OH1 := OH1-1 F-SEP OH1-2 F-SEP OH1-3 F-SEP OH1-4 F-SEP OH1-5 F-SEP OH1-6 F-SEP
OH1-7
    /* Past or Present Job */
OH2 := OH2-1 F-SEP OH2-2 F-SEP OH2-3 F-SEP OH2-4 F-SEP OH2-5 F-SEP OH2-6 F-SEP
OH2-7 F-SEP OH2-8 F-SEP OH2-9 F-SEP OH2-10 F-SEP OH2-11 F-SEP OH2-12 F-SEP
OH2-13 F-SEP OH2-14 F-SEP OH2-15 F-SEP OH2-16 F-SEP OH2-17 F-SEP OH2-18
    /* Usual Work */
OH3 := OH3-1 F-SEP OH3-2 F-SEP OH3-3 F-SEP OH3-4 F-SEP OH3-5 F-SEP OH3-6 F-SEP
OH3-7 F-SEP OH3-8
    /* Combat Zone Work */
OH4 := OH4-1 F-SEP OH4-2 F-SEP OH4-3 F-SEP OH4-4 F-SEP OH4-5 F-SEP OH4-6
    /* General Segment */
OM1 := OM1-1 F-SEP OM1-2 F-SEP OM1-3 F-SEP OM1-4 F-SEP OM1-5 F-SEP OM1-6 F-SEP
OM1-7 F-SEP OM1-8 F-SEP OM1-9 F-SEP OM1-10 F-SEP OM1-11 F-SEP OM1-12 F-SEP
OM1-13 F-SEP OM1-14 F-SEP OM1-15 F-SEP OM1-16 F-SEP OM1-17 F-SEP OM1-18 F-SEP
OM1-19 F-SEP OM1-20 F-SEP OM1-21 F-SEP OM1-22 F-SEP OM1-23 F-SEP OM1-24 F-SEP
OM1-25 F-SEP OM1-26 F-SEP OM1-27 F-SEP OM1-28 F-SEP OM1-29 F-SEP OM1-30 F-SEP
OM1-31 F-SEP OM1-32 F-SEP OM1-33 F-SEP OM1-34 F-SEP OM1-35 F-SEP OM1-36 F-SEP
OM1-37 F-SEP OM1-38 F-SEP OM1-39 F-SEP OM1-40 F-SEP OM1-41 F-SEP OM1-42 F-SEP
OM1-43 F-SEP OM1-44 F-SEP OM1-45 F-SEP OM1-46 F-SEP OM1-47 F-SEP OM1-48 F-SEP
OM1-49 F-SEP OM1-50 F-SEP OM1-51 F-SEP OM1-52 F-SEP OM1-53 F-SEP OM1-54 F-SEP
OM1-55 F-SEP OM1-56 F-SEP OM1-57 F-SEP OM1-58 F-SEP OM1-59
    /* Numeric Observation */
OM2 := OM2-1 F-SEP OM2-2 F-SEP OM2-3 F-SEP OM2-4 F-SEP OM2-5 F-SEP OM2-6 F-SEP
OM2-7 F-SEP OM2-8 F-SEP OM2-9 F-SEP OM2-10
    /* Categorical Service/Test/Observation */
OM3 := OM3-1 F-SEP OM3-2 F-SEP OM3-3 F-SEP OM3-4 F-SEP OM3-5 F-SEP OM3-6 F-SEP
0M3 - 7
    /* Observations that Require Specimens */
```

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OM4-7 F-SEP OM4-8 F-SEP OM4-9 F-SEP OM4-10 F-SEP OM4-11 F-SEP OM4-12 F-SEP
OM4-13 F-SEP OM4-14 F-SEP OM4-15 F-SEP OM4-16 F-SEP OM4-17 F-SEP OM4-18
    /* Observation Batteries (Sets) */
OM5 := OM5-1 F-SEP OM5-2 F-SEP OM5-3
    /* Observations that are Calculated from Other Observations */
OM6 := OM6-1 F-SEP OM6-2
    /* Additional Basic Attributes */
OM7 := OM7-1 F-SEP OM7-2 F-SEP OM7-3 F-SEP OM7-4 F-SEP OM7-5 F-SEP OM7-6 F-SEP
OM7-7 F-SEP OM7-8 F-SEP OM7-9 F-SEP OM7-10 F-SEP OM7-11 F-SEP OM7-12 F-SEP
OM7-13 F-SEP OM7-14 F-SEP OM7-15 F-SEP OM7-16 F-SEP OM7-17 F-SEP OM7-18 F-SEP
OM7-19 F-SEP OM7-20 F-SEP OM7-21 F-SEP OM7-22 F-SEP OM7-23 F-SEP OM7-24
    /* Supporting Clinical Information */
OMC := OMC-1 F-SEP OMC-2 F-SEP OMC-3 F-SEP OMC-4 F-SEP OMC-5 F-SEP OMC-6 F-SEP
OMC-7 F-SEP OMC-8 F-SEP OMC-9 F-SEP OMC-10 F-SEP OMC-11 F-SEP OMC-12 F-SEP
OMC-13
    /* Common Order */
ORC := ORC-1 F-SEP ORC-2 F-SEP ORC-3 F-SEP ORC-4 F-SEP ORC-5 F-SEP ORC-6 F-SEP
ORC-7 F-SEP ORC-8 F-SEP ORC-9 F-SEP ORC-10 F-SEP ORC-11 F-SEP ORC-12 F-SEP
ORC-13 F-SEP ORC-14 F-SEP ORC-15 F-SEP ORC-16 F-SEP ORC-17 F-SEP ORC-18 F-SEP
ORC-19 F-SEP ORC-20 F-SEP ORC-21 F-SEP ORC-22 F-SEP ORC-23 F-SEP ORC-24 F-SEP
ORC-25 F-SEP ORC-26 F-SEP ORC-27 F-SEP ORC-28 F-SEP ORC-29 F-SEP ORC-30 F-SEP
ORC-31 F-SEP ORC-32 F-SEP ORC-33 F-SEP ORC-34 F-SEP ORC-35 F-SEP ORC-36 F-SEP
ORC-37 F-SEP ORC-38
    /* Practitioner Organization Unit */
ORG := ORG-1 F-SEP ORG-2 F-SEP ORG-3 F-SEP ORG-4 F-SEP ORG-5 F-SEP ORG-6 F-SEP
ORG-7 F-SEP ORG-8 F-SEP ORG-9 F-SEP ORG-10 F-SEP ORG-11 F-SEP ORG-12 F-SEP
ORG-13
    /* Override Segment */
OVR := OVR-1 F-SEP OVR-2 F-SEP OVR-3 F-SEP OVR-4 F-SEP OVR-5
    /* Shipment Package */
PAC := PAC-1 F-SEP PAC-2 F-SEP PAC-3 F-SEP PAC-4 F-SEP PAC-5 F-SEP PAC-6 F-SEP
PAC-7 F-SEP PAC-8 F-SEP PAC-9
    /* Patient Charge Cost Center Exceptions */
PCE := PCE-1 F-SEP PCE-2 F-SEP PCE-3 F-SEP PCE-4
    /* Possible Causal Relationship */
```

OM4 := OM4-1 F-SEP OM4-2 F-SEP OM4-3 F-SEP OM4-4 F-SEP OM4-5 F-SEP OM4-6 F-SEP

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PCR := PCR-1 F-SEP PCR-2 F-SEP PCR-3 F-SEP PCR-4 F-SEP PCR-5 F-SEP PCR-6 F-SEP
PCR-7 F-SEP PCR-8 F-SEP PCR-9 F-SEP PCR-10 F-SEP PCR-11 F-SEP PCR-12 F-SEP
PCR-13 F-SEP PCR-14 F-SEP PCR-15 F-SEP PCR-16 F-SEP PCR-17 F-SEP PCR-18 F-SEP
PCR-19 F-SEP PCR-20 F-SEP PCR-21 F-SEP PCR-22 F-SEP PCR-23
    /* Patient Additional Demographic */
PD1 := PD1-1 F-SEP PD1-2 F-SEP PD1-3 F-SEP PD1-4 F-SEP PD1-5 F-SEP PD1-6 F-SEP
PD1-7 F-SEP PD1-8 F-SEP PD1-9 F-SEP PD1-10 F-SEP PD1-11 F-SEP PD1-12 F-SEP
PD1-13 F-SEP PD1-14 F-SEP PD1-15 F-SEP PD1-16 F-SEP PD1-17 F-SEP PD1-18 F-SEP
PD1-19 F-SEP PD1-20 F-SEP PD1-21 F-SEP PD1-22 F-SEP PD1-23
    /* Patient Death and Autopsy */
PDA := PDA-1 F-SEP PDA-2 F-SEP PDA-3 F-SEP PDA-4 F-SEP PDA-5 F-SEP PDA-6 F-SEP
PDA-7 F-SEP PDA-8 F-SEP PDA-9
    /* Product Detail Country */
PDC := PDC-1 F-SEP PDC-2 F-SEP PDC-3 F-SEP PDC-4 F-SEP PDC-5 F-SEP PDC-6 F-SEP
PDC-7 F-SEP PDC-8 F-SEP PDC-9 F-SEP PDC-10 F-SEP PDC-11 F-SEP PDC-12 F-SEP
PDC-13 F-SEP PDC-14 F-SEP PDC-15
    /* Product Experience Observation */
PEO := PEO-1 F-SEP PEO-2 F-SEP PEO-3 F-SEP PEO-4 F-SEP PEO-5 F-SEP PEO-6 F-SEP
PEO-7 F-SEP PEO-8 F-SEP PEO-9 F-SEP PEO-10 F-SEP PEO-11 F-SEP PEO-12 F-SEP
PEO-13 F-SEP PEO-14 F-SEP PEO-15 F-SEP PEO-16 F-SEP PEO-17 F-SEP PEO-18 F-SEP
PEO-19 F-SEP PEO-20 F-SEP PEO-21 F-SEP PEO-22 F-SEP PEO-23 F-SEP PEO-24 F-SEP
PEO-25
    /* Product Experience Sender */
PES := PES-1 F-SEP PES-2 F-SEP PES-3 F-SEP PES-4 F-SEP PES-5 F-SEP PES-6 F-SEP
PES-7 F-SEP PES-8 F-SEP PES-9 F-SEP PES-10 F-SEP PES-11 F-SEP PES-12 F-SEP
PES-13
    /* Patient Identification */
PID := PID-1 F-SEP PID-2 F-SEP PID-3 F-SEP PID-4 F-SEP PID-5 F-SEP PID-6 F-SEP
PID-7 F-SEP PID-8 F-SEP PID-9 F-SEP PID-10 F-SEP PID-11 F-SEP PID-12 F-SEP
PID-13 F-SEP PID-14 F-SEP PID-15 F-SEP PID-16 F-SEP PID-17 F-SEP PID-18 F-SEP
PID-19 F-SEP PID-20 F-SEP PID-21 F-SEP PID-22 F-SEP PID-23 F-SEP PID-24 F-SEP
PID-25 F-SEP PID-26 F-SEP PID-27 F-SEP PID-28 F-SEP PID-29 F-SEP PID-30 F-SEP
PID-31 F-SEP PID-32 F-SEP PID-33 F-SEP PID-34 F-SEP PID-35 F-SEP PID-36 F-SEP
PID-37 F-SEP PID-38 F-SEP PID-39 F-SEP PID-40
    /* Item Packaging */
PKG := PKG-1 F-SEP PKG-2 F-SEP PKG-3 F-SEP PKG-4 F-SEP PKG-5 F-SEP PKG-6 F-SEP
PKG-7 F-SEP PKG-8 F-SEP PKG-9 F-SEP PKG-10 F-SEP PKG-11
    /* Payer Master File */
PM1 := PM1-1 F-SEP PM1-2 F-SEP PM1-3 F-SEP PM1-4 F-SEP PM1-5 F-SEP PM1-6 F-SEP
PM1-7 F-SEP PM1-8 F-SEP PM1-9 F-SEP PM1-10 F-SEP PM1-11 F-SEP PM1-12 F-SEP
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PM1-13 F-SEP PM1-14 F-SEP PM1-15 F-SEP PM1-16 F-SEP PM1-17 F-SEP PM1-18 F-SEP
PM1-19 F-SEP PM1-20 F-SEP PM1-21 F-SEP PM1-22 F-SEP PM1-23 F-SEP PM1-24
    /* Payment Information */
PMT := PMT-1 F-SEP PMT-2 F-SEP PMT-3 F-SEP PMT-4 F-SEP PMT-5 F-SEP PMT-6 F-SEP
PMT-7 F-SEP PMT-8 F-SEP PMT-9 F-SEP PMT-10 F-SEP PMT-11 F-SEP PMT-12
    /* Procedures */
PR1 := PR1-1 F-SEP PR1-2 F-SEP PR1-3 F-SEP PR1-4 F-SEP PR1-5 F-SEP PR1-6 F-SEP
PR1-7 F-SEP PR1-8 F-SEP PR1-9 F-SEP PR1-10 F-SEP PR1-11 F-SEP PR1-12 F-SEP
PR1-13 F-SEP PR1-14 F-SEP PR1-15 F-SEP PR1-16 F-SEP PR1-17 F-SEP PR1-18 F-SEP
PR1-19 F-SEP PR1-20 F-SEP PR1-21 F-SEP PR1-22 F-SEP PR1-23 F-SEP PR1-24 F-SEP
PR1-25
    /* Practitioner Detail */
PRA := PRA-1 F-SEP PRA-2 F-SEP PRA-3 F-SEP PRA-4 F-SEP PRA-5 F-SEP PRA-6 F-SEP
PRA-7 F-SEP PRA-8 F-SEP PRA-9 F-SEP PRA-10 F-SEP PRA-11 F-SEP PRA-12
    /* Problem Details */
PRB := PRB-1 F-SEP PRB-2 F-SEP PRB-3 F-SEP PRB-4 F-SEP PRB-5 F-SEP PRB-6 F-SEP
PRB-7 F-SEP PRB-8 F-SEP PRB-9 F-SEP PRB-10 F-SEP PRB-11 F-SEP PRB-12 F-SEP
PRB-13 F-SEP PRB-14 F-SEP PRB-15 F-SEP PRB-16 F-SEP PRB-17 F-SEP PRB-18 F-SEP
PRB-19 F-SEP PRB-20 F-SEP PRB-21 F-SEP PRB-22 F-SEP PRB-23 F-SEP PRB-24 F-SEP
PRB-25 F-SEP PRB-26 F-SEP PRB-27 F-SEP PRB-28
    /* Pricing */
PRC := PRC-1 F-SEP PRC-2 F-SEP PRC-3 F-SEP PRC-4 F-SEP PRC-5 F-SEP PRC-6 F-SEP
PRC-7 F-SEP PRC-8 F-SEP PRC-9 F-SEP PRC-10 F-SEP PRC-11 F-SEP PRC-12 F-SEP
PRC-13 F-SEP PRC-14 F-SEP PRC-15 F-SEP PRC-16 F-SEP PRC-17 F-SEP PRC-18
    /* Provider Data */
PRD := PRD-1 F-SEP PRD-2 F-SEP PRD-3 F-SEP PRD-4 F-SEP PRD-5 F-SEP PRD-6 F-SEP
PRD-7 F-SEP PRD-8 F-SEP PRD-9 F-SEP PRD-10 F-SEP PRD-11 F-SEP PRD-12 F-SEP
PRD-13 F-SEP PRD-14
    /* Participation Information */
PRT := PRT-1 F-SEP PRT-2 F-SEP PRT-3 F-SEP PRT-4 F-SEP PRT-5 F-SEP PRT-6 F-SEP
PRT-7 F-SEP PRT-8 F-SEP PRT-9 F-SEP PRT-10 F-SEP PRT-11 F-SEP PRT-12 F-SEP
PRT-13 F-SEP PRT-14 F-SEP PRT-15 F-SEP PRT-16 F-SEP PRT-17 F-SEP PRT-18 F-SEP
PRT-19 F-SEP PRT-20 F-SEP PRT-21 F-SEP PRT-22 F-SEP PRT-23 F-SEP PRT-24
    /* Product/Service Group */
PSG := PSG-1 F-SEP PSG-2 F-SEP PSG-3 F-SEP PSG-4 F-SEP PSG-5 F-SEP PSG-6
    /* Product Summary Header */
```

```
PSH := PSH-1 F-SEP PSH-2 F-SEP PSH-3 F-SEP PSH-4 F-SEP PSH-5 F-SEP PSH-6 F-SEP
PSH-7 F-SEP PSH-8 F-SEP PSH-9 F-SEP PSH-10 F-SEP PSH-11 F-SEP PSH-12 F-SEP
PSH-13 F-SEP PSH-14
    /* Product/Service Line Item */
PSL := PSL-1 F-SEP PSL-2 F-SEP PSL-3 F-SEP PSL-4 F-SEP PSL-5 F-SEP PSL-6 F-SEP
PSL-7 F-SEP PSL-8 F-SEP PSL-9 F-SEP PSL-10 F-SEP PSL-11 F-SEP PSL-12 F-SEP
PSL-13 F-SEP PSL-14 F-SEP PSL-15 F-SEP PSL-16 F-SEP PSL-17 F-SEP PSL-18 F-SEP
PSL-19 F-SEP PSL-20 F-SEP PSL-21 F-SEP PSL-22 F-SEP PSL-23 F-SEP PSL-24 F-SEP
PSL-25 F-SEP PSL-26 F-SEP PSL-27 F-SEP PSL-28 F-SEP PSL-29 F-SEP PSL-30 F-SEP
PSL-31 F-SEP PSL-32 F-SEP PSL-33 F-SEP PSL-34 F-SEP PSL-35 F-SEP PSL-36 F-SEP
PSL-37 F-SEP PSL-38 F-SEP PSL-39 F-SEP PSL-40 F-SEP PSL-41 F-SEP PSL-42 F-SEP
PSL-43 F-SEP PSL-44 F-SEP PSL-45 F-SEP PSL-46 F-SEP PSL-47 F-SEP PSL-48
    /* Product/Service Section */
PSS := PSS-1 F-SEP PSS-2 F-SEP PSS-3 F-SEP PSS-4 F-SEP PSS-5
    /* Pathway */
PTH := PTH-1 F-SEP PTH-2 F-SEP PTH-3 F-SEP PTH-4 F-SEP PTH-5 F-SEP PTH-6 F-SEP
PTH-7
    /* Patient Visit */
PV1 := PV1-1 F-SEP PV1-2 F-SEP PV1-3 F-SEP PV1-4 F-SEP PV1-5 F-SEP PV1-6 F-SEP
PV1-7 F-SEP PV1-8 F-SEP PV1-9 F-SEP PV1-10 F-SEP PV1-11 F-SEP PV1-12 F-SEP
PV1-13 F-SEP PV1-14 F-SEP PV1-15 F-SEP PV1-16 F-SEP PV1-17 F-SEP PV1-18 F-SEP
PV1-19 F-SEP PV1-20 F-SEP PV1-21 F-SEP PV1-22 F-SEP PV1-23 F-SEP PV1-24 F-SEP
PV1-25 F-SEP PV1-26 F-SEP PV1-27 F-SEP PV1-28 F-SEP PV1-29 F-SEP PV1-30 F-SEP
PV1-31 F-SEP PV1-32 F-SEP PV1-33 F-SEP PV1-34 F-SEP PV1-35 F-SEP PV1-36 F-SEP
PV1-37 F-SEP PV1-38 F-SEP PV1-39 F-SEP PV1-40 F-SEP PV1-41 F-SEP PV1-42 F-SEP
PV1-43 F-SEP PV1-44 F-SEP PV1-45 F-SEP PV1-46 F-SEP PV1-47 F-SEP PV1-48 F-SEP
PV1-49 F-SEP PV1-50 F-SEP PV1-51 F-SEP PV1-52 F-SEP PV1-53 F-SEP PV1-54
    /* Patient Visit - Additional Information */
PV2 := PV2-1 F-SEP PV2-2 F-SEP PV2-3 F-SEP PV2-4 F-SEP PV2-5 F-SEP PV2-6 F-SEP
PV2-7 F-SEP PV2-8 F-SEP PV2-9 F-SEP PV2-10 F-SEP PV2-11 F-SEP PV2-12 F-SEP
PV2-13 F-SEP PV2-14 F-SEP PV2-15 F-SEP PV2-16 F-SEP PV2-17 F-SEP PV2-18 F-SEP
PV2-19 F-SEP PV2-20 F-SEP PV2-21 F-SEP PV2-22 F-SEP PV2-23 F-SEP PV2-24 F-SEP
PV2-25 F-SEP PV2-26 F-SEP PV2-27 F-SEP PV2-28 F-SEP PV2-29 F-SEP PV2-30 F-SEP
PV2-31 F-SEP PV2-32 F-SEP PV2-33 F-SEP PV2-34 F-SEP PV2-35 F-SEP PV2-36 F-SEP
PV2-37 F-SEP PV2-38 F-SEP PV2-39 F-SEP PV2-40 F-SEP PV2-41 F-SEP PV2-42 F-SEP
PV2-43 F-SEP PV2-44 F-SEP PV2-45 F-SEP PV2-46 F-SEP PV2-47 F-SEP PV2-48 F-SEP
PV2-49 F-SEP PV2-50
    /* Payee Information */
PYE := PYE-1 F-SEP PYE-2 F-SEP PYE-3 F-SEP PYE-4 F-SEP PYE-5 F-SEP PYE-6 F-SEP
PYE-7
    /* Query Acknowledgment */
QAK := QAK-1 F-SEP QAK-2 F-SEP QAK-3 F-SEP QAK-4 F-SEP QAK-5 F-SEP QAK-6
```

```
/* Query Identification */
QID := QID-1 F-SEP QID-2
    /* Query Parameter Definition */
QPD := QPD-1 F-SEP QPD-2 F-SEP QPD-3
    /* Query Response Instance */
ORI := ORI-1 F-SEP ORI-2 F-SEP ORI-3
    /* Response Control Parameter */
RCP := RCP-1 F-SEP RCP-2 F-SEP RCP-3 F-SEP RCP-4 F-SEP RCP-5 F-SEP RCP-6 F-SEP
RCP-7
    /* Table Row Definition */
RDF := RDF-1 F-SEP RDF-2
    /* Table Row Data */
RDT := RDT-1
    /* Clinical Relationship Segment */
REL := REL-1 F-SEP REL-2 F-SEP REL-3 F-SEP REL-4 F-SEP REL-5 F-SEP REL-6 F-SEP
REL-7 F-SEP REL-8 F-SEP REL-9 F-SEP REL-10 F-SEP REL-11 F-SEP REL-12 F-SEP
REL-13 F-SEP REL-14 F-SEP REL-15 F-SEP REL-16 F-SEP REL-17 F-SEP REL-18
    /* Referral Information */
RF1 := RF1-1 F-SEP RF1-2 F-SEP RF1-3 F-SEP RF1-4 F-SEP RF1-5 F-SEP RF1-6 F-SEP
RF1-7 F-SEP RF1-8 F-SEP RF1-9 F-SEP RF1-10 F-SEP RF1-11 F-SEP RF1-12 F-SEP
RF1-13 F-SEP RF1-14 F-SEP RF1-15 F-SEP RF1-16 F-SEP RF1-17 F-SEP RF1-18 F-SEP
RF1-19 F-SEP RF1-20 F-SEP RF1-21 F-SEP RF1-22 F-SEP RF1-23 F-SEP RF1-24 F-SEP
RF1-25
    /* Request for Information */
RFI := RFI-1 F-SEP RFI-2 F-SEP RFI-3 F-SEP RFI-4
    /* Resource Group */
RGS := RGS-1 F-SEP RGS-2 F-SEP RGS-3
    /* Risk Management Incident */
RMI := RMI-1 F-SEP RMI-2 F-SEP RMI-3
    /* Role */
ROL := ROL-1 F-SEP ROL-2 F-SEP ROL-3 F-SEP ROL-4 F-SEP ROL-5 F-SEP ROL-6 F-SEP
ROL-7 F-SEP ROL-8 F-SEP ROL-9 F-SEP ROL-10 F-SEP ROL-11 F-SEP ROL-12 F-SEP
ROL-13 F-SEP ROL-14
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/* Requisition Detail-1 */
RQ1 := RQ1-1 F-SEP RQ1-2 F-SEP RQ1-3 F-SEP RQ1-4 F-SEP RQ1-5 F-SEP RQ1-6 F-SEP
RO1-7
    /* Requisition Detail */
RQD := RQD-1 F-SEP RQD-2 F-SEP RQD-3 F-SEP RQD-4 F-SEP RQD-5 F-SEP RQD-6 F-SEP
RQD-7 F-SEP RQD-8 F-SEP RQD-9 F-SEP RQD-10
    /* Pharmacy/Treatment Administration */
RXA := RXA-1 F-SEP RXA-2 F-SEP RXA-3 F-SEP RXA-4 F-SEP RXA-5 F-SEP RXA-6 F-SEP
RXA-7 F-SEP RXA-8 F-SEP RXA-9 F-SEP RXA-10 F-SEP RXA-11 F-SEP RXA-12 F-SEP
RXA-13 F-SEP RXA-14 F-SEP RXA-15 F-SEP RXA-16 F-SEP RXA-17 F-SEP RXA-18 F-SEP
RXA-19 F-SEP RXA-20 F-SEP RXA-21 F-SEP RXA-22 F-SEP RXA-23 F-SEP RXA-24 F-SEP
RXA-25 F-SEP RXA-26 F-SEP RXA-27 F-SEP RXA-28 F-SEP RXA-29
    /* Pharmacy/Treatment Component Order */
RXC := RXC-1 F-SEP RXC-2 F-SEP RXC-3 F-SEP RXC-4 F-SEP RXC-5 F-SEP RXC-6 F-SEP
RXC-7 F-SEP RXC-8 F-SEP RXC-9 F-SEP RXC-10 F-SEP RXC-11
    /* Pharmacy/Treatment Dispense */
RXD := RXD-1 F-SEP RXD-2 F-SEP RXD-3 F-SEP RXD-4 F-SEP RXD-5 F-SEP RXD-6 F-SEP
RXD-7 F-SEP RXD-8 F-SEP RXD-9 F-SEP RXD-10 F-SEP RXD-11 F-SEP RXD-12 F-SEP
RXD-13 F-SEP RXD-14 F-SEP RXD-15 F-SEP RXD-16 F-SEP RXD-17 F-SEP RXD-18 F-SEP
RXD-19 F-SEP RXD-20 F-SEP RXD-21 F-SEP RXD-22 F-SEP RXD-23 F-SEP RXD-24 F-SEP
RXD-25 F-SEP RXD-26 F-SEP RXD-27 F-SEP RXD-28 F-SEP RXD-29 F-SEP RXD-30 F-SEP
RXD-31 F-SEP RXD-32 F-SEP RXD-33 F-SEP RXD-34 F-SEP RXD-35
    /* Pharmacy/Treatment Encoded Order */
RXE := RXE-1 F-SEP RXE-2 F-SEP RXE-3 F-SEP RXE-4 F-SEP RXE-5 F-SEP RXE-6 F-SEP
RXE-7 F-SEP RXE-8 F-SEP RXE-9 F-SEP RXE-10 F-SEP RXE-11 F-SEP RXE-12 F-SEP
RXE-13 F-SEP RXE-14 F-SEP RXE-15 F-SEP RXE-16 F-SEP RXE-17 F-SEP RXE-18 F-SEP
RXE-19 F-SEP RXE-20 F-SEP RXE-21 F-SEP RXE-22 F-SEP RXE-23 F-SEP RXE-24 F-SEP
RXE-25 F-SEP RXE-26 F-SEP RXE-27 F-SEP RXE-28 F-SEP RXE-29 F-SEP RXE-30 F-SEP
RXE-31 F-SEP RXE-32 F-SEP RXE-33 F-SEP RXE-34 F-SEP RXE-35 F-SEP RXE-36 F-SEP
RXE-37 F-SEP RXE-38 F-SEP RXE-39 F-SEP RXE-40 F-SEP RXE-41 F-SEP RXE-42 F-SEP
RXE-43 F-SEP RXE-44 F-SEP RXE-45
    /* Pharmacy/Treatment Give */
RXG := RXG-1 F-SEP RXG-2 F-SEP RXG-3 F-SEP RXG-4 F-SEP RXG-5 F-SEP RXG-6 F-SEP
RXG-7 F-SEP RXG-8 F-SEP RXG-9 F-SEP RXG-10 F-SEP RXG-11 F-SEP RXG-12 F-SEP
RXG-13 F-SEP RXG-14 F-SEP RXG-15 F-SEP RXG-16 F-SEP RXG-17 F-SEP RXG-18 F-SEP
RXG-19 F-SEP RXG-20 F-SEP RXG-21 F-SEP RXG-22 F-SEP RXG-23 F-SEP RXG-24 F-SEP
RXG-25 F-SEP RXG-26 F-SEP RXG-27 F-SEP RXG-28 F-SEP RXG-29 F-SEP RXG-30 F-SEP
RXG-31 F-SEP RXG-32 F-SEP RXG-33
    /* Pharmacy/Treatment Order */
RXO := RXO-1 F-SEP RXO-2 F-SEP RXO-3 F-SEP RXO-4 F-SEP RXO-5 F-SEP RXO-6 F-SEP
RXO-7 F-SEP RXO-8 F-SEP RXO-9 F-SEP RXO-10 F-SEP RXO-11 F-SEP RXO-12 F-SEP
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RXO-13 F-SEP RXO-14 F-SEP RXO-15 F-SEP RXO-16 F-SEP RXO-17 F-SEP RXO-18 F-SEP
RXO-19 F-SEP RXO-20 F-SEP RXO-21 F-SEP RXO-22 F-SEP RXO-23 F-SEP RXO-24 F-SEP
RXO-25 F-SEP RXO-26 F-SEP RXO-27 F-SEP RXO-28 F-SEP RXO-29 F-SEP RXO-30 F-SEP
RXO-31 F-SEP RXO-32 F-SEP RXO-33 F-SEP RXO-34 F-SEP RXO-35 F-SEP RXO-36
    /* Pharmacy/Treatment Route */
RXR := RXR-1 F-SEP RXR-2 F-SEP RXR-3 F-SEP RXR-4 F-SEP RXR-5 F-SEP RXR-6
    /* Pharmacy/Treatment Infusion */
RXV := RXV-1 F-SEP RXV-2 F-SEP RXV-3 F-SEP RXV-4 F-SEP RXV-5 F-SEP RXV-6 F-SEP
RXV-7 F-SEP RXV-8 F-SEP RXV-9 F-SEP RXV-10 F-SEP RXV-11 F-SEP RXV-12 F-SEP
RXV-13 F-SEP RXV-14 F-SEP RXV-15 F-SEP RXV-16 F-SEP RXV-17 F-SEP RXV-18 F-SEP
RXV-19 F-SEP RXV-20 F-SEP RXV-21 F-SEP RXV-22
    /* Specimen Container detail */
SAC := SAC-1 F-SEP SAC-2 F-SEP SAC-3 F-SEP SAC-4 F-SEP SAC-5 F-SEP SAC-6 F-SEP
SAC-7 F-SEP SAC-8 F-SEP SAC-9 F-SEP SAC-10 F-SEP SAC-11 F-SEP SAC-12 F-SEP
SAC-13 F-SEP SAC-14 F-SEP SAC-15 F-SEP SAC-16 F-SEP SAC-17 F-SEP SAC-18 F-SEP
SAC-19 F-SEP SAC-20 F-SEP SAC-21 F-SEP SAC-22 F-SEP SAC-23 F-SEP SAC-24 F-SEP
SAC-25 F-SEP SAC-26 F-SEP SAC-27 F-SEP SAC-28 F-SEP SAC-29 F-SEP SAC-30 F-SEP
SAC-31 F-SEP SAC-32 F-SEP SAC-33 F-SEP SAC-34 F-SEP SAC-35 F-SEP SAC-36 F-SEP
SAC-37 F-SEP SAC-38 F-SEP SAC-39 F-SEP SAC-40 F-SEP SAC-41 F-SEP SAC-42 F-SEP
SAC-43 F-SEP SAC-44 F-SEP SAC-45 F-SEP SAC-46 F-SEP SAC-47 F-SEP SAC-48 F-SEP
SAC-49
    /* Anti-Microbial Cycle Data */
SCD := SCD-1 F-SEP SCD-2 F-SEP SCD-3 F-SEP SCD-4 F-SEP SCD-5 F-SEP SCD-6 F-SEP
SCD-7 F-SEP SCD-8 F-SEP SCD-9 F-SEP SCD-10 F-SEP SCD-11 F-SEP SCD-12 F-SEP
SCD-13 F-SEP SCD-14 F-SEP SCD-15 F-SEP SCD-16 F-SEP SCD-17 F-SEP SCD-18 F-SEP
SCD-19 F-SEP SCD-20 F-SEP SCD-21 F-SEP SCD-22 F-SEP SCD-23 F-SEP SCD-24 F-SEP
SCD-25 F-SEP SCD-26 F-SEP SCD-27 F-SEP SCD-28 F-SEP SCD-29 F-SEP SCD-30 F-SEP
SCD-31 F-SEP SCD-32 F-SEP SCD-33 F-SEP SCD-34 F-SEP SCD-35 F-SEP SCD-36 F-SEP
SCD-37
    /* Scheduling Activity Information */
SCH := SCH-1 F-SEP SCH-2 F-SEP SCH-3 F-SEP SCH-4 F-SEP SCH-5 F-SEP SCH-6 F-SEP
SCH-7 F-SEP SCH-8 F-SEP SCH-9 F-SEP SCH-10 F-SEP SCH-11 F-SEP SCH-12 F-SEP
SCH-13 F-SEP SCH-14 F-SEP SCH-15 F-SEP SCH-16 F-SEP SCH-17 F-SEP SCH-18 F-SEP
SCH-19 F-SEP SCH-20 F-SEP SCH-21 F-SEP SCH-22 F-SEP SCH-23 F-SEP SCH-24 F-SEP
SCH-25 F-SEP SCH-26 F-SEP SCH-27 F-SEP SCH-28
    /* Sterilizer Configuration (Anti-Microbial Devices) */
SCP := SCP-1 F-SEP SCP-2 F-SEP SCP-3 F-SEP SCP-4 F-SEP SCP-5 F-SEP SCP-6 F-SEP
SCP-7 F-SEP SCP-8
    /* Sterilization Device Data */
SDD := SDD-1 F-SEP SDD-2 F-SEP SDD-3 F-SEP SDD-4 F-SEP SDD-5 F-SEP SDD-6 F-SEP
SDD-7
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/* Software Segment */
SFT := SFT-1 F-SEP SFT-2 F-SEP SFT-3 F-SEP SFT-4 F-SEP SFT-5 F-SEP SFT-6
    /* Segment Group Header */
SGH := SGH-1 F-SEP SGH-2
    /* Segment Group Trailer */
SGT := SGT-1 F-SEP SGT-2
    /* Shipment */
SHP := SHP-1 F-SEP SHP-2 F-SEP SHP-3 F-SEP SHP-4 F-SEP SHP-5 F-SEP SHP-6 F-SEP
SHP-7 F-SEP SHP-8 F-SEP SHP-9 F-SEP SHP-10 F-SEP SHP-11 F-SEP SHP-12
    /* Substance Identifier */
SID := SID-1 F-SEP SID-2 F-SEP SID-3 F-SEP SID-4
    /* Sterilization Lot */
SLT := SLT-1 F-SEP SLT-2 F-SEP SLT-3 F-SEP SLT-4 F-SEP SLT-5
    /* Specimen */
SPM := SPM-1 F-SEP SPM-2 F-SEP SPM-3 F-SEP SPM-4 F-SEP SPM-5 F-SEP SPM-6 F-SEP
SPM-7 F-SEP SPM-8 F-SEP SPM-9 F-SEP SPM-10 F-SEP SPM-11 F-SEP SPM-12 F-SEP
SPM-13 F-SEP SPM-14 F-SEP SPM-15 F-SEP SPM-16 F-SEP SPM-17 F-SEP SPM-18 F-SEP
SPM-19 F-SEP SPM-20 F-SEP SPM-21 F-SEP SPM-22 F-SEP SPM-23 F-SEP SPM-24 F-SEP
SPM-25 F-SEP SPM-26 F-SEP SPM-27 F-SEP SPM-28 F-SEP SPM-29 F-SEP SPM-30 F-SEP
SPM-31 F-SEP SPM-32 F-SEP SPM-33 F-SEP SPM-34 F-SEP SPM-35
    /* Staff Identification */
STF := STF-1 F-SEP STF-2 F-SEP STF-3 F-SEP STF-4 F-SEP STF-5 F-SEP STF-6 F-SEP
STF-7 F-SEP STF-8 F-SEP STF-9 F-SEP STF-10 F-SEP STF-11 F-SEP STF-12 F-SEP
STF-13 F-SEP STF-14 F-SEP STF-15 F-SEP STF-16 F-SEP STF-17 F-SEP STF-18 F-SEP
STF-19 F-SEP STF-20 F-SEP STF-21 F-SEP STF-22 F-SEP STF-23 F-SEP STF-24 F-SEP
STF-25 F-SEP STF-26 F-SEP STF-27 F-SEP STF-28 F-SEP STF-29 F-SEP STF-30 F-SEP
STF-31 F-SEP STF-32 F-SEP STF-33 F-SEP STF-34 F-SEP STF-35 F-SEP STF-36 F-SEP
STF-37 F-SEP STF-38 F-SEP STF-39 F-SEP STF-40 F-SEP STF-41
    /* Sterilization Parameter */
STZ := STZ-1 F-SEP STZ-2 F-SEP STZ-3 F-SEP STZ-4
    /* Test Code Configuration */
TCC := TCC-1 F-SEP TCC-2 F-SEP TCC-3 F-SEP TCC-4 F-SEP TCC-5 F-SEP TCC-6 F-SEP
TCC-7 F-SEP TCC-8 F-SEP TCC-9 F-SEP TCC-10 F-SEP TCC-11 F-SEP TCC-12 F-SEP
TCC-13 F-SEP TCC-14 F-SEP TCC-15
    /* Test Code Detail */
```

```
TCD := TCD-1 F-SEP TCD-2 F-SEP TCD-3 F-SEP TCD-4 F-SEP TCD-5 F-SEP TCD-6 F-SEP
TCD-7 F-SEP TCD-8 F-SEP TCD-9 F-SEP TCD-10 F-SEP TCD-11
    /* Timing/Quantity */
TQ1 := TQ1-1 F-SEP TQ1-2 F-SEP TQ1-3 F-SEP TQ1-4 F-SEP TQ1-5 F-SEP TQ1-6 F-SEP
TQ1-7 F-SEP TQ1-8 F-SEP TQ1-9 F-SEP TQ1-10 F-SEP TQ1-11 F-SEP TQ1-12 F-SEP
TO1-13 F-SEP TO1-14
    /* Timing/Quantity Relationship */
TQ2 := TQ2-1 F-SEP TQ2-2 F-SEP TQ2-3 F-SEP TQ2-4 F-SEP TQ2-5 F-SEP TQ2-6 F-SEP
TO2-7 F-SEP TO2-8 F-SEP TO2-9 F-SEP TO2-10
    /* Transcription Document Header */
TXA := TXA-1 F-SEP TXA-2 F-SEP TXA-3 F-SEP TXA-4 F-SEP TXA-5 F-SEP TXA-6 F-SEP
TXA-7 F-SEP TXA-8 F-SEP TXA-9 F-SEP TXA-10 F-SEP TXA-11 F-SEP TXA-12 F-SEP
TXA-13 F-SEP TXA-14 F-SEP TXA-15 F-SEP TXA-16 F-SEP TXA-17 F-SEP TXA-18 F-SEP
TXA-19 F-SEP TXA-20 F-SEP TXA-21 F-SEP TXA-22 F-SEP TXA-23 F-SEP TXA-24 F-SEP
TXA-25 F-SEP TXA-26 F-SEP TXA-27 F-SEP TXA-28 F-SEP TXA-29 F-SEP TXA-30 F-SEP
TXA-31
    /* User Authentication Credential Segment */
UAC := UAC-1 F-SEP UAC-2
    /* Uniform Billing Data 1 */
UB1 := UB1-1 F-SEP UB1-2 F-SEP UB1-3 F-SEP UB1-4 F-SEP UB1-5 F-SEP UB1-6 F-SEP
UB1-7 F-SEP UB1-8 F-SEP UB1-9 F-SEP UB1-10 F-SEP UB1-11 F-SEP UB1-12 F-SEP
UB1-13 F-SEP UB1-14 F-SEP UB1-15 F-SEP UB1-16 F-SEP UB1-17 F-SEP UB1-18 F-SEP
UB1-19 F-SEP UB1-20 F-SEP UB1-21 F-SEP UB1-22 F-SEP UB1-23
    /* Uniform Billing Data 2 */
UB2 := UB2-1 F-SEP UB2-2 F-SEP UB2-3 F-SEP UB2-4 F-SEP UB2-5 F-SEP UB2-6 F-SEP
UB2-7 F-SEP UB2-8 F-SEP UB2-9 F-SEP UB2-10 F-SEP UB2-11 F-SEP UB2-12 F-SEP
UB2-13 F-SEP UB2-14 F-SEP UB2-15 F-SEP UB2-16 F-SEP UB2-17
    /* Variance */
VAR := VAR-1 F-SEP VAR-2 F-SEP VAR-3 F-SEP VAR-4 F-SEP VAR-5 F-SEP VAR-6
    /* Purchasing Vendor */
VND := VND-1 F-SEP VND-2 F-SEP VND-3 F-SEP VND-4 F-SEP VND-5 F-SEP VND-6 F-SEP
VND-7 F-SEP VND-8 F-SEP VND-9 F-SEP VND-10 F-SEP VND-11
    /* (proposed example only) */
ZL7 := ZL7-1 F-SEP ZL7-2
F-SEP := MSH-1;
```

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Appendix	C:	BNF	Message	Descriptions	S
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