

ATIM HEADER

Variable	Type	Description	Start	End	Bit	Default
ATIM_term_ID	Int_Unsign	Terminal ID; Range: 0-16	0	3		
ATIM_ID	Int_Unsign	ATIM Message ID	4	5		
ATIM_class	Int_Unsign	Class; (0=ATIM, 1=ATOM)	6	7		0

ATIM 1 ICD - Terminal Initialization Message

Variable	Type	Description	Start	End	Bit	Default
ATIM_TermPwr	Int_Unsign	Terminal Power; (0=off; 1= on)	8	8		
ATIM_TermComMd	Int_Unsign	Terminal Communication Modes; (1,2 or 4); As described in SISO-STD-002-2005	9	9		
ATIM_TimeSlot	Int_Unsign	Time slot allocation Mode; (0 to 4); As described in SISO-STD-002-2005	10	10		
ATIM_ChA_VE	Int_Unsign	Channel A Voice encoding; (1 = CVSD, 2 = LPC10, 3 = LPC12)	11	11		
ATIM_ChB_VE	Int_Unsign	Channel B Voice encoding; (1 = CVSD, 2 = LPC10, 3 = LPC12)	12	12		
ATIM_PckLmt	Int_Unsign	Packing Limit; (0=Standard, 1=Pack2 Single, 2=Pack2 Double, 3=Pack4)	13	13		
ATIM_TxTerm_P	Int_Unsign	Transmitting Terminal Primary Mode; (1= NTR, 2= JU)	14	14		
ATIM_TxTerm_S	Int_Unsign	Transmitting Terminal Secondary Mode; (0=None, 1=NPR, 2=PNC, 3=SNR)	15	15		
ATIM_Encoding	Int_Unsign	Encoding; (0 - None, 1 - Reed Solomon)	16	16		
ATIM_Relay_TxInd	Int_Unsign	Relay Transmission Indicator; (0=No Relay, 1=Relay)	17	17		
	Int_Unsign	*** Padding ***	18	19		0
ATIM_SourceID	Int_Unsign	Source Track ID, Unique number for the terminal	20	23		
ATIM_Secure_SN	Int_Unsign	Secure Data Unit Serial Number, Unique number for the terminal	24	27		

ATIM 2 ICD - Time Slot Block Assignment Message

Variable	Type	Description	Start	End	Bit	Default
ATIM2_NPG_Num	Int_Unsign	NPG Number; (0-255)	8	9		
ATIM_NPG_BuffSize	Int_Unsign	NPG buffer size; (0-255); In Kbytes - Terminal specific	10	10		
ATIM_Contention	Int_Unsign	Access/Contention Mode; (0= Dedicated, 1=Contention)	11	11		
ATIM_Access_Rate	Int_Unsign	Access Rate; # J-Words/second	12	15		
ATIM_Net_Num	Int_Unsign	Net Number; (0-127)	16	16		
ATIM_TSEC	Int_Unsign	TSEC CVLL; (0-127)	17	17		
ATIM_MSEC	Int_Unsign	MSEC CVLL; (0-127)	18	18		
ATIM_SetNum	Int_Unsign	Set Number; (0=A, 1=B, 2=C)	19	19		
ATIM_Index	Int_Unsign	Index; (0-32767)	20	21		
ATIM_Rec_Rate	Int_Unsign	Recurrence Rate; (0-15)	22	22		
	Int_Unsign	*** Padding ***	23	23		0

ATIM 3 ICD - J Message Transmission

Variable	Type	Description	Start	End	Bit	Default
ATIM3_NPG_Num	Int_Unsign	NPG Number; (0-511)	8	9		
ATIM_MsgPri	Int_Unsign	Message Priority; (0=highest 15=lowest)	10	10		
ATIM_Pack_Lmt	Int_Unsign	Packing Limit; (0=Standard, 1=Pack2 Single, 2=Pack2 Double, 3=Pack4 Single)	11	11		
ATIM_Msg_ID	Int_Unsign	Message Type ID; (0-7); 0=JTIDS Header/Msg, 1=RTT A/B, 2=RTT Reply, 3=JTIDS Voice CVSD, 4=JTIDS Voice LPC10, 5=JTIDS Voice LPC12, 6= JTIDS LET Header/Msg, 7= VMF Header/Msg)	12	12		
ATIM_Msg_Frmt	Int_Unsign	Message Format; (0=fixed, 1=Variable, 2=Free Text{Voice})	13	13		
ATIM_J_Msg	Int_Unsign	J Message as defined by Mil Std 6016B	14	end		

ATIM 4 ICD - J Message Transmission

Variable	Type	Description	Start	End	Bit	Default
ATIM_Reset	Int_Unsign	1= Reset, 0 = No Reset	8	8		

ATOM HEADER

Variable	Type	Description	Start	End	Bit	Default
ATOM_term_ID	Int_Unsign	Terminal ID; Range: 0-16	0	3		
ATOM_Id	Int_Unsign	ATIM Message ID	4	5		
ATOM_Class	Int_Unsign	Class; (0=ATIM, 1=ATOM)	6	7		1
ATOM1_NTP	Int_Unsign	NTP Timestamp	8	15		

ATOM 1 ICD - J Message Interface

Variable	Type	Description	Start	End	Bit	Default
ATOM1_NPG_Num	Int_Unsign	NPG Number; (0-511)	16	17		
ATOM_NPG_Buffsize	Int_Unsign	NPG Buffer Size; (in Kbyte)	18	18		
ATOM_NPG_FreeBuf	Int_Unsign	NPG Free Buffer; (in Kbyte)	19	19		
ATOM_Set_Num	Int_Unsign	Set Number; (1=A, 2=B, 3=C)	20	20		
ATOM_Index	Int_Unsign	Index; (0-32767)	21	22		
ATOM_Rec_Rate	Int_Unsign	Recurrence Rate; (0-15)	23	23		

ATOM 2 ICD - J Message Interface

Variable	Type	Description	Start	End	Bit	Default
ATOM2_NPG_Num	Int_Unsign	NPG Number; (0-511)	16	17		
ATOM_Relay_TxInd	Int_Unsign	Relay Transmission Indicator	18	18		
ATOM_Msg_Type	Int_Unsign	Message Type ID; (0-7); 0=JTIDS Header/Msg, 1=RTT A/B, 2=RTT Reply, 3=JTIDS Voice CVSD, 4=JTIDS Voice LPC10, 5=JTIDS Voice LPC12, 6= JTIDS LET Header/Msg, 7= VMF Header/Msg)	19	19		
ATOM_SourceID	Int_Unsign	Source Track ID, Unique number for the terminal	20	23		
ATOM_Secure_SN	Int_Unsign	Secure Data Unit Serial Number, Unique number for the terminal	24	27		
ATOM_Rec_SNR	Int_float	Received Signal to Noise; (0-300 db)	28	31		
ATOM_J_Msg	Int_Unsign	J Message as defined by Mil Std 6016B	32	end		