

Region 9 Army MARS Training Topics for “phone bridge” use

***** ATTEND - PARTICIPATE – ASK QUESTIONS - WE ALL NEED TO GET INVOLVED *****

TRAINING TOPIC – Review of the ARMY Mars Message Format.

SESSION INTENT – Review of the WXOBS message.

REFERENCES – AM6 TTP MESSAGE FORMS and REPORTS - Table 14 PG I-16 and I-17 – December 17
JULIAN-CALENDAR INFORMATION - <https://www.fs.fed.us/fire/partners/fepp/julian-calendar.pdf>
WEATHER INFORMATION - <https://www.aviationweather.gov/metar/data>

EXPECTED TIME TO DELIVER – 45 Minutes

QUESTIONS FOR DISCUSSION –

1. What is the definition of “ASOS” ?
2. What is the definition of “AWOS” ?
3. What is the definition of “ATIS” ?
4. What is the definition of “METAR Data” ?

CONTENT OUTLINE & KEY POINTS –

1. Go over the WXOBS Schematic - *TABLE 14 Page I-16 and I-17*
2. View a sample WXOBS – *On-Line Meeting*

PRACTICAL EXERCISE – Wed Night M9T Net

THE WAY AHEAD – Next we will be reviewing the - *County Status Message*

ACP-127 WEATHER OBSERVATION REPORT (WXOBS)

SAMPLE MESSAGE

Note: Max Line Length Is 69 Characters

REF: AM6 TTP MESSAGE FORMS and REPORTS - Table 14 PG I-16 and I-17 – December 17

VZCZCMMM012 (*Mandatory*)
RR UHWWBCA (*Destination RI*)
DE UHWHBCA #0012 1871850 (*Serial Number and Julian DTG*)
ZNY EEEEE (*Transmission Instructions, Security Warning*)
R 051850Z JUL 2018
BT
UNCLAS
FM MARS STATION AAR7XX
TO UHWBCA/REGION 9 RJMOG
MSGID/WXOBS/AAR9XX/12//
WEATHLOC/ICAO:KAVQ//
OBSTIME/051846Z//
WIND/-/CALM//
VSBY/10//
CLDLR/-/LYR:SKC//
TEMP/MAXTEMP:39C/MINTEMP:39C//
ALTSTG/HG:29.95//
BT
#0012

(8 line feeds + NNNN)

NNNN

ACP-126 WEATHER OBSERVATION REPORT (WXOBS)

SAMPLE MESSAGE

Note: Max Line Length Is 69 Characters

REF: AM6 TTP MESSAGE FORMS and REPORTS - Table 14 PG I-16 and I-17 – December 17

VCZCCMMM006 (*Optional*)
AAR9TC DE AAR9CB NR 006
R 102350Z JUL 2018
FM AAR9CB
TO AAR9TC
BT
UNCLAS
MSGID/WXOBS/AAR9CB/006/
WEATHLOC/ICAO:KBAB//
OBSTIME/102337Z//
WIND/320/07//
VSBY/10//
CLDLYR/-/LYR:SKC//
TEMP/MAXTEMP:32C/MINTEMP:32C//
ALTSTG/HG:30.04//
RMKS/DEWPOINT - 71 DEG F/SEA LEVEL PRESSURE - 1017.4 MB //
BT

(8 line feeds + NNNN)

NNNN

I.1.8. (U) WEATHER OBSERVATION REPORT (WXOBS)

(U/FOUO) The USMTF WXOBS report is a standardized DoD weather information report used to report general purpose weather observations. The WXOBS report provides a broad spectrum of weather observations.

(U) The Automated Surface Observing Systems (ASOS), Automatic Weather Observing System (AWOS) and the Automatic Terminal Information Service (ATIS) each broadcast METAR data on VHF. Most are available by telephone as well.

Table I-12 (U/FOUO) WXOBS Schematic

Set Identifier	Set Name and Information	Example(s)
	Security Warning (Mandatory) and Caveat	UNCLAS UNCLAS FOUO
EXER	Exercise Links the message to a particular exercise. In MARS refer to exercises as MARS COMEX.	EXER/MARS COMEX// EXER/MARS COMEX/16-01//
MSGID	Message ID (Mandatory) Identifies the USMTF format type of this message, the Plain Language Address (PLA) or the unique RI of the message originator, and optionally, the message drafter's serial number, without leading zeros.	MSGID/WXOBS/UHWABCM/123//
WEATHLOC	Weather Location (Mandatory) For airport locations, the Set name is followed by the field identifier /ICAO: and the 4 character airfield code. <i>Note: Locations other than airports may be used such as a place NAME, or UTM Grid. See examples</i>	WEATHLOC/ICAO:KEWR// WEATHLOC/NAME:HOWARD AFB PN// WEATHLOC/UTMO:32WDL1231123//
OBSTIME	Observation Time (Mandatory) The numerical day, time and zone indicator in DAY-TIME format (ddhhmmZ).	OBSTIME/290829Z//
WIND	Wind Direction and Speed (Mandatory) The numerical wind direction relative to true north in degrees followed by a slash and the wind speed in knots. Show leading zeroes for directions less than 100 degrees (e. g., 030 for 30 degrees). Show calm wind as 360 degrees. <i>Note: METARs may show calm wind as 000. Use 360 for WXOBS.</i>	WIND/110/10//
VSBY	Visibility (Mandatory) Numeric distance and the unit of measure (range: 0-999; use FT, KM, M, NM, SM) <i>Note: Most common in CONUS is SM or, if less than one SM, in fractions of a SM or in feet (FT)</i>	VSBY/3SM
CLDLYR	Sky Cover (Mandatory) The first field is not used, so a dash is inserted to preserve the order of the fields in this Set. There follows a field identifier LYR: and a three-character indicator of the amount of sky coverage, based on eighths of coverage. Use one of these allowable abbreviations: SKC Sky Clear 0/8ths covered. <i>Note: METARs may show CLR. Use SKC for WXOBS.</i>	CLDLYR/-/LYR:SKC//

	<p>FEW Few Clouds 0/8ths to 2/8ths covered</p> <p>SCT Scattered 3/8ths to 4/8ths covered</p> <p>BKN Broken 5/8ths to 7/8ths covered</p> <p>OVC Overcast 8/8ths covered</p>	
TEMP	<p>Temperature (Mandatory)</p> <p>The air temperature at the in degrees Celsius. Two fields provide a range of temperatures (maximum and minimum) over a time period. Because the METAR is a spot report for a single moment in time, these fields are set to the same value.</p>	TEMP/20/20//
ALTGSTG	<p>Barometer (Mandatory)</p> <p>This is the barometric pressure at the location, used to set the analog altimeter of aircraft (thus "ALTSTG"). In CONUS, use hundredths of inches of mercury and the field identifier HG: (inches of mercury). The measurement format is five characters, nn.nn. Be sure to insert the decimal. The allowable range is: 28.00 to 32.00.</p>	ALTSTG/HG:29.92//

JULIAN DATE CALENDAR PERPETUAL

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Day
1	001	032	060	091	121	152	182	213	244	274	305	335	1
2	002	033	061	092	122	153	183	214	245	275	306	336	2
3	003	034	062	093	123	154	184	215	246	276	307	337	3
4	004	035	063	094	124	155	185	216	247	277	308	338	4
5	005	036	064	095	125	156	186	217	248	278	309	339	5
6	006	037	065	096	126	157	187	218	249	279	310	340	6
7	007	038	066	097	127	158	188	219	250	280	311	341	7
8	008	039	067	098	128	159	189	220	251	281	312	342	8
9	009	040	068	099	129	160	190	221	252	282	313	343	9
10	010	041	069	100	130	161	191	222	253	283	314	344	10
11	011	042	070	101	131	162	192	223	254	284	315	345	11
12	012	043	071	102	132	163	193	224	255	285	316	346	12
13	013	044	072	103	133	164	194	225	256	286	317	347	13
14	014	045	073	104	134	165	195	226	257	287	318	348	14
15	015	046	074	105	135	166	196	227	258	288	319	349	15
16	016	047	075	106	136	167	197	228	259	289	320	350	16
17	017	048	076	107	137	168	198	229	260	290	321	351	17
18	018	049	077	108	138	169	199	230	261	291	322	352	18
19	019	050	078	109	139	170	200	231	262	292	323	353	19
20	020	051	079	110	140	171	201	232	263	293	324	354	20
21	021	052	080	111	141	172	202	233	264	294	325	355	21
22	022	053	081	112	142	173	203	234	265	295	326	356	22
23	023	054	082	113	143	174	204	235	266	296	327	357	23
24	024	055	083	114	144	175	205	236	267	297	328	358	24
25	025	056	084	115	145	176	206	237	268	298	329	359	25
26	026	057	085	116	146	177	207	238	269	299	330	360	26
27	027	058	086	117	147	178	208	239	270	300	331	361	27
28	028	059	087	118	148	179	209	240	271	301	332	362	28
29	029		088	119	149	180	210	241	272	302	333	363	29
30	030		089	120	150	181	211	242	273	303	334	364	30
31	031		090		151		212	243		304		365	31