

**ALMR COMMUNICATIONS SYSTEM - RADIO ACCEPTANCE TEST PROCEDURES**

CRITERIA (NOTE: THESE TESTS CONSTITUTE THE 'MINIMUM' REQUIREMENTS NECESSARY TO OPERATE ON ALMR)	EFJOHNSON					KENWOOD				MOTOROLA		
	5100 Portable	5300 Mobile	Viking Fire	Viking VP600	Viking VP900	TK5210 Portable	TK5710/5810 Mobile	VM600 Mobile	VM900 Mobile	XTS2500 Portable	XTS5000 Portable	XTL5000 Mobile
TALKGROUP CALL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SECURE OPERATION	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
MULTIGROUP CALL FOR WAIT MODE	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
MULTIGROUP CALL FOR INTERRUPT MODE	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
PRIVATE CALL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CALL ALERT	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
EMERGENCY ALARM/CALL WITH EMERGENCY ID (TOP OF QUEUE)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
BUSY QUEUING AND CALLBACK WITH TEN TALKGROUP PRIORITY LEVELS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CONTINUOUS ASSIGNMENT UPDATING	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
MULTI-ZONE ROAMING (CONDITIONAL TEST)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE ACCESS CONTROL/ "INDIVIDUAL ONLY" SITE ACCESS DENIAL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE ACCESS CONTROL/ "TALKGROUP ONLY" SITE ACCESS DENIAL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
ALL START TALKGROUP	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
FAST START TALKGROUP WITHOUT CRITICAL SITE	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SUBSCRIBER TO LANDLINE TELEPHONE INTERCONNECT	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
LANDLINE TO SUBSCRIBER TELEPHONE INTERCONNECT USING THE DOD INTERCONNECT	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
AUDIO INTERRUPT/INTERRUPT NEVER MODE	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
AUDIO INTERRUPT/INTERRUPT ALWAYS MODE	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
RECENT USER PRIORITY	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE TRUNKING TALKGROUP CALL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE TRUNKING PRIVATE CALL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE TRUNKING CALL ALERT	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE TRUNKING BUSY QUEUING AND CALLBACK	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE TRUNKING EMERGENCY CALL AND ALARM	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE TRUNKING CONTINUOUS ASSIGNMENT UPDATING	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE TRUNKING ROAMING TO WIDE AREA SITES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
TALKGROUP SELECTION AND CALL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CONSOLE ASTRO SECURE TALKGROUP CALL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

**Note 6 - The "Subscriber to Landline Telephone Interconnect" and "Landline to Subscriber Telephone Interconnect" tests are not required tests and could not be performed due to changes to the ALMR System caused by the ALMR 7.13 migration/upgrade.**

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CRITERIA (NOTE: THESE TESTS CONSTITUTE THE 'MINIMUM' REQUIREMENTS NECESSARY TO OPERATE ON ALMR)	EFJOHNSON (cont)					KENWOOD (cont)				MOTOROLA (cont)		
	5100 Portable	Viking Fire	Viking VP600	Viking VP900	5300 Mobile	TK5210 Portable	TK5710/5810 Mobile	VM600 Mobile	VM900 Mobile	XTS2500 Portable	XTS5000 Portable	XTL5000 Mobile
MULTIGROUP CALL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
TALKGROUP PATCH	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CONSOLE INITIATED PRIVATE CALL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
EMERGENCY ALARM AND CALL DISPLAY	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CONSOLE INITIATED EMERGENCY	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
PTT UNIT ID/ALIAS DISPLAY	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CONSOLE INITIATED TACTICAL/NORMAL PRIORITY	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
ALERT TONES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CONVENTIONAL RADIO RESOURCE	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
INTEROPERABILITY TEST	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

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CRITERIA (NOTE: THESE TESTS CONSTITUTE THE 'MINIMUM' REQUIREMENTS NECESSARY TO OPERATE ON ALMR)	MOTOROLA						RELM		TAIT			
	APX 4000 Portable (see note 3)	APX 6000 Portable (see note 3)	APX 7000 Portable (see note 3)	APX 4500 Mobile (see note 3)	APX 6500 Mobile (see note 3)	APX 7500 Mobile (see note 3)	KNG P150 Portable	KNG M150 Mobile	TP9100 Portable	TM9155 Mobile	TP9400 Portable	TM9400 Mobile
TALKGROUP CALL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SECURE OPERATION	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
MULTIGROUP CALL FOR WAIT MODE	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
MULTIGROUP CALL FOR INTERRUPT MODE	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
PRIVATE CALL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CALL ALERT	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
EMERGENCY ALARM/CALL WITH EMERGENCY ID (TOP OF QUEUE)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
BUSY QUEUING AND CALLBACK WITH TEN TALKGROUP PRIORITY LEVELS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CONTINUOUS ASSIGNMENT UPDATING	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
MULTI-ZONE ROAMING (CONDITIONAL TEST)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE ACCESS CONTROL/ "INDIVIDUAL ONLY" SITE ACCESS DENIAL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE ACCESS CONTROL/ "TALKGROUP ONLY" SITE ACCESS DENIAL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
ALL START TALKGROUP	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
FAST START TALKGROUP WITHOUT CRITICAL SITE	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SUBSCRIBER TO LANDLINE TELEPHONE INTERCONNECT	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
LANDLINE TO SUBSCRIBER TELEPHONE INTERCONNECT USING THE DOD INTERCONNECT	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
AUDIO INTERRUPT/INTERRUPT NEVER MODE	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
AUDIO INTERRUPT/INTERRUPT ALWAYS MODE	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
RECENT USER PRIORITY	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE TRUNKING TALKGROUP CALL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE TRUNKING PRIVATE CALL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE TRUNKING CALL ALERT	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE TRUNKING BUSY QUEUING AND CALLBACK	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE TRUNKING EMERGENCY CALL AND ALARM	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE TRUNKING CONTINUOUS ASSIGNMENT UPDATING	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
SITE TRUNKING ROAMING TO WIDE AREA SITES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
TALKGROUP SELECTION AND CALL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CONSOLE ASTRO SECURE TALKGROUP CALL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

**Note 3 - The APX was only tested for operational use on the VHF ALMR System. Other capabilities beyond that cannot be certified.**

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CRITERIA (NOTE: THESE TESTS CONSTITUTE THE 'MINIMUM' REQUIREMENTS NECESSARY TO OPERATE ON ALMR)	MOTOROLA (cont)						RELM (cont)		TAIT (cont)			
	APX 4000 Portable (see note 3)	APX 6000 Portable (see note 3)	APX 7000 Portable (see note 3)	APX 4500 Mobile (see note 3)	APX 6500 Mobile (see note 3)	APX 7500 Mobile (see note 3)	KNG P150 Portable	KNG M150 Mobile	TP9100 Portable	TM9155 Mobile	TP9400 Portable	TM9400 Mobile
MULTIGROUP CALL	PASS	PASS	PASS	PASS	PASS	PASS	PASS *see note 2	PASS *see note 2	PASS *see note 1	PASS *see note 1	PASS	PASS
TALKGROUP PATCH	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CONSOLE INITIATED PRIVATE CALL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
EMERGENCY ALARM AND CALL DISPLAY	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CONSOLE INITIATED EMERGENCY	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	N/A	N/A	N/A	N/A
PTT UNIT ID/ALIAS DISPLAY	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CONSOLE INITIATED TACTICAL/NORMAL PRIORITY	N/A	N/A	N/A	N/A	N/A	N/A	PASS	PASS	N/A	N/A	N/A	N/A
ALERT TONES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
CONVENTIONAL RADIO RESOURCE	N/A	N/A	N/A	N/A	N/A	N/A	PASS	PASS	N/A	N/A	N/A	N/A
INTEROPERABILITY TEST	N/A	N/A	N/A	N/A	N/A	N/A	PASS	PASS	PASS	PASS	N/A	N/A

**Note 1** – During the initial testing the radios could not respond to the Multigroup calls on the Multigroup. They were denied access during the hang time and after would respond on the Talkgroup they were affiliated with. The Tait representative worked on the problem and was able to pass the re-test on Jul 20, 2010.

**Note 2** - During the initial test on Oct 13, 2010, the radios could not respond to the Multigroup calls on the Multigroup. They were also denied access during the hang time and would not respond on the Talkgroup they were affiliated iwth. The Relm representatives worked these two issues and was able to perform the procedures during a follow-up test on Jan 14, 2011.

**Note 3** - The APX was only tested for operational use on the VHF ALMR System. Other capabilities beyond that cannot be certified.

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**ALMR COMMUNICATIONS SYSTEM - RADIO ACCEPTANCE TEST PROCEDURES**

	THALES	HARRIS					ICOM				
CRITERIA (NOTE: THESE TESTS CONSTITUTE THE 'MINIMUM' REQUIREMENTS NECESSARY TO OPERATE ON ALMR)	Liberty Multiband Portable	P5400 Portable	XG-25P Portable	XG-25M Mobile	XG-75P Portable	XG-75M Mobile	IC-F9011S Portable	IC-F9511T Mobile	IC-F9511HT Mobile		
TALKGROUP CALL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
SECURE OPERATION	PASS *see note 4	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
MULTIGROUP CALL FOR WAIT MODE	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
MULTIGROUP CALL FOR INTERRUPT MODE	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
PRIVATE CALL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
CALL ALERT	N/A	N/A	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
EMERGENCY ALARM/CALL WITH EMERGENCY ID (TOP OF QUEUE)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
BUSY QUEUING AND CALLBACK WITH TEN TALKGROUP PRIORITY LEVELS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
CONTINUOUS ASSIGNMENT UPDATING	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
MULTI-ZONE ROAMING (CONDITIONAL TEST)	PASS *see note 4	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
SITE ACCESS CONTROL/ "INDIVIDUAL ONLY" SITE ACCESS DENIAL	PASS *see note 4	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
SITE ACCESS CONTROL/ "TALKGROUP ONLY" SITE ACCESS DENIAL	PASS *see note 4	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
ALL START TALKGROUP	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
FAST START TALKGROUP WITHOUT CRITICAL SITE	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
SUBSCRIBER TO LANDLINE TELEPHONE INTERCONNECT	*see note 8	*see note 8	*see note 8	*see note 8	*see note 8	*see note 8	*see note 8	*see note 8	*see note 8		
LANDLINE TO SUBSCRIBER TELEPHONE INTERCONNECT USING THE DOD INTERCONNECT	*see note 8	*see note 8	*see note 8	*see note 8	*see note 8	*see note 8	*see note 8	*see note 8	*see note 8		
AUDIO INTERRUPT/INTERRUPT NEVER MODE	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
AUDIO INTERRUPT/INTERRUPT ALWAYS MODE	PASS *see note 4	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
RECENT USER PRIORITY	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
SITE TRUNKING TALKGROUP CALL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
SITE TRUNKING PRIVATE CALL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
SITE TRUNKING CALL ALERT	PASS	PASS *see note 5	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
SITE TRUNKING BUSY QUEUING AND CALLBACK	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
SITE TRUNKING EMERGENCY CALL AND ALARM	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
SITE TRUNKING CONTINUOUS ASSIGNMENT UPDATING	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		

**Note 4 -** During the initial test on April 2, 2010, radio #2 failed to decrypt, tested radios jumped from site to site – went into roaming, radios had problems with private call due to radio jumping sites, and some features could not be tested because of radio jumping sites. The Thales representatives worked these issues for two years and were able to perform the procedures during the re-testing on Sep 5, 2012.

**Note 5 -** The Call Alert feature did not work according to the ATP test on the Harris radios. The System Manager stated that it was a non-issue for approving the Harris radios for use on the System.

**Note 8 -** The “Subscriber to Landline Telephone Interconnect” and “Landline to Subscriber Telephone Interconnect” tests are not required ALMR tests and could not be performed due to changes to the ALMR System caused by the ALMR 7.13 migration/upgrade.

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	THALES (cont)	HARRIS (cont)					ICOM (cont)				
CRITERIA (NOTE: THESE TESTS CONSTITUTE THE 'MINIMUM' REQUIREMENTS NECESSARY TO OPERATE ON ALMR)	Liberty Multiband Portable	P5400 Portable (cont)	XG-25P Portable	XG-25M Mobile	XG-75P Portable	XG-75M Mobile	IC-F9011S Portable	IC-F9511T Mobile	IC-F9511HT Mobile		
SITE TRUNKING ROAMING TO WIDE AREA SITES	PASS *see note 4	PASS	PASS	PASS	PASS	PASS	PASS *see note 9	PASS *see note 9	PASS		
TALKGROUP SELECTION AND CALL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
CONSOLE ASTRO SECURE TALKGROUP CALL	PASS	PASS					PASS	PASS	PASS		
MULTIGROUP CALL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
TALKGROUP PATCH	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
CONSOLE INITIATED PRIVATE CALL	PASS *see note 4	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
EMERGENCY ALARM AND CALL DISPLAY	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
CONSOLE INITIATED EMERGENCY	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
PTT UNIT ID/ALIAS DISPLAY	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
CONSOLE INITIATED TACTICAL/NORMAL PRIORITY	PASS	N/A *see note 7	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
ALERT TONES	N/A	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
CONVENTIONAL RADIO RESOURCE	PASS	N/A	PASS	PASS	PASS	PASS	PASS	PASS	PASS		
INTEROPERABILITY TEST	N/A	N/A	PASS	PASS	PASS	PASS	PASS	PASS	PASS		

**Note 4 - During the initial test on April 2, 2010, radio #2 failed to decrypt, tested radios jumped from site to site – went into roaming, radios had problems with private call due to radio jumping sites, and some features could not be tested because of radio jumping sites. The Thales representatives worked these issues for two years and were able to perform the procedures during the re-testing on Sep 5, 2012.**

**Note 7 - The Console ASTRO Secure Talkgroup Call feature could not be successfully tested as the secure key in the Harris radio was not recognized by the ALMR Key Management Facility (KMF). The Harris engineer did not have the appropriate cable to access one of the ALMR Key Variable Loaders (KVL) so this test will be completed when the radios and cable are returned to perform the Multigroup Call test sometime in the next few months.**

**Note 10 - This is a Roam / No-Roam option in the ICOM programming.**

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CRITERIA (NOTE: THESE TESTS CONSTITUTE THE 'MINIMUM' REQUIREMENTS NECESSARY TO OPERATE ON ALMR)	TECHNISONIC								
	TDFM-7000 Aircraft Radio	TDFM-9000 Aircraft Radio							
TALKGROUP CALL	PASS	PASS							
SECURE OPERATION	PASS	PASS							
MULTIGROUP CALL FOR WAIT MODE	PASS	PASS							
MULTIGROUP CALL FOR INTERRUPT MODE	PASS	PASS							
PRIVATE CALL	PASS	PASS							
CALL ALERT	PASS	PASS							
EMERGENCY ALARM/CALL WITH EMERGENCY ID (TOP OF QUEUE)	PASS	PASS							
BUSY QUEUING AND CALLBACK WITH TEN TALKGROUP PRIORITY LEVELS	PASS	PASS							
CONTINUOUS ASSIGNMENT UPDATING	PASS	PASS							
MULTI-ZONE ROAMING (CONDITIONAL TEST)	PASS	PASS							
SITE ACCESS CONTROL/ "INDIVIDUAL ONLY" SITE ACCESS DENIAL	PASS	PASS							
SITE ACCESS CONTROL/ "TALKGROUP ONLY" SITE ACCESS DENIAL	PASS	PASS							
ALL START TALKGROUP	PASS	PASS							
FAST START TALKGROUP WITHOUT CRITICAL SITE	PASS	PASS							
SUBSCRIBER TO LANDLINE TELEPHONE INTERCONNECT	PASS	PASS							
LANDLINE TO SUBSCRIBER TELEPHONE INTERCONNECT USING THE DOD INTERCONNECT	PASS	PASS							
AUDIO INTERRUPT/INTERRUPT NEVER MODE	PASS	PASS							
AUDIO INTERRUPT/INTERRUPT ALWAYS MODE	PASS	PASS							
RECENT USER PRIORITY	PASS	PASS							
SITE TRUNKING TALKGROUP CALL	PASS	PASS							
SITE TRUNKING PRIVATE CALL	PASS	PASS							
SITE TRUNKING CALL ALERT	PASS	PASS							
SITE TRUNKING BUSY QUEUING AND CALLBACK	PASS	PASS							
SITE TRUNKING EMERGENCY CALL AND ALARM	PASS	PASS							
SITE TRUNKING CONTINUOUS ASSIGNMENT UPDATING	PASS	PASS							

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CRITERIA (NOTE: THESE TESTS CONSTITUTE THE 'MINIMUM' REQUIREMENTS NECESSARY TO OPERATE ON ALMR)	TECHNISONIC (cont)								
	TDFM-7000 Aircraft Radio	TDFM-9000 Aircraft Radio							
SITE TRUNKING ROAMING TO WIDE AREA SITES	PASS	PASS							
TALKGROUP SELECTION AND CALL	PASS	PASS							
CONSOLE ASTRO SECURE TALKGROUP CALL	PASS	PASS							
MULTIGROUP CALL	PASS	PASS							
TALKGROUP PATCH	PASS	PASS							
CONSOLE INITIATED PRIVATE CALL	PASS	PASS							
EMERGENCY ALARM AND CALL DISPLAY	PASS	PASS							
CONSOLE INITIATED EMERGENCY	PASS	PASS							
PTT UNIT ID/ALIAS DISPLAY	PASS	PASS							
CONSOLE INITIATED TACTICAL/NORMAL PRIORITY	PASS	PASS							
ALERT TONES	PASS	PASS							
CONVENTIONAL RADIO RESOURCE	PASS	PASS							
INTEROPERABILITY TEST	PASS	PASS							

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**NOTES:**

- Note 1** – During the initial testing the radios could not respond to the Multigroup calls on the Multigroup. They were denied access during the hang time and after would respond on the Talkgroup they were affiliated with. The Tait representative worked on the problem and was able to pass the re-test on Jul 20, 2010.
- Note 2** - During the initial test on Oct 13, 2010, the radios could not respond to the Multigroup calls on the Multigroup. They were also denied access during the hang time and would not respond on the Talkgroup they were affiliated iwth. The Relm representatives worked these two issues and was able to perform the procedures during a follow-up test on Jan 14, 2011.
- Note 3** - The APX was only tested for operational use on the VHF ALMR System. Other capabilities beyond that cannot be certified.
- Note 4** - During the intial test on April 2, 2010, radio #2 failed to decrypt, tested radios jumped from site to site – went into roaming, radios had problems with private call due to radio jumping sites, and some features could not be tested because of radio jumping sites. The Thales representatives worked these issues for two years and were able to perform the procedures during the re-testing on Sep 5, 2012.
- Note 5** - The Call Alert feature (ATP page 10) did not work according to the ATP test, on the Harris radios. The System Manager stated that it was a non-issue for approving the Harris radios for use on the ALMR System.
- Note 6** - The “Subscriber to Landline Telephone Interconnect” and “Landline to Subscriber Telephone Interconnect” tests are not required tests and could not be performed due to changes to the ALMR System caused by the ALMR 7.13 migration/upgrade.
- Note 7** - The Console ASTRO Secure Talkgroup Call feature could not be successfully tested as the secure key in the Harris radio was not recognized by the ALMR Key Management Facility (KMF). The Harris engineer did not have the appropriate cable to access one of the ALMR Key Variable Loaders (KVL) so this test will be completed when the radios and cable are returned to perform the Multigroup Call test sometime in the next few months.
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