

JEM USER NOTIFICATION

AN/PRC-148(V)3 – (V)6 JEM ‘NO PJC’

(November 2011)

The AN/PRC-148[V]3 - 6[C] JTRS Enhanced MBITR (JEM) contains a hold up battery (HUB) to keep the Private Joseki Component (PJC) key active indefinitely when properly stored and maintained with a JEM main battery. Without the JEM main battery installed, a fully charged HUB will keep the PJC key active for approximately 60 days. If the HUB is allowed to fully discharge and PJC is zeroized, the radio will display ‘NO PJC’. In this state, the JEM can only operate in Plain Text Line of Sight and retransmission modes.

The HUB is charged from the main JEM battery. When re-connected to a fully charged main battery, it may take up to 48 hours to fully charge the HUB from a fully charged rechargeable main battery. Please refer to paragraph 4.3.2 of the JEM Operator’s Manual. PJC can be loaded once a fully charged battery is connected to the JEM; after four hours the HUB will have enough charge to maintain PJC during a battery change.

It is important to have a battery maintenance strategy in place to avoid 'NO PJC' for JEMs stored without the main battery attached.

The PJC is classified Secret and the custodian must have an EKMS account and a secure electronic connection with which to obtain the key.

You should also be aware that erasing COMSEC keys has no impact on the state of the PJC. PJC key loss is indicated by the message ‘NO PJC’.

If PJC is lost; the owning units’ COMSEC custodian / EKMS Manager will need to obtain PJC short title.

Note: Please obtain the correct PJC key prior to upgrading firmware: Please see chart below because a **new PJC key is required** once you upgrade the JEM radios to firmware version 7.0 or higher. Radios cannot be loaded with a previous version of firmware once upgraded.

PJC Short Title

PJC Short Title	Radio Configuration	Software Release				
		Rel 3	Rel 4	Rel 5	Rel 6	Rel 7 or later
USKAE B9500 880091 Edition 4	AN/PRC-148(V)3(C) AN/PRC-148(V)4(C) AN/PRC-148A(V)3(C)	✓	✓	✓	✓	
USKAE B1001 Edition 1	AN/PRC-148(V)3(C) AN/PRC-148(V)4(C) AN/PRC-148A(V)3(C)					✓
USKAE B10054 880091 Edition 1	AN/PRC-148(V)5(C) AN/PRC-148(V)6(C)		✓	✓	✓	✓

Please note that future software revisions of the JEM firmware may require a new PJC short title. Firmware updates and technical information are maintained and updated in the Technical Resource area of Customer Support at www.thalescomminc.com

Please contact Customer Support for additional information at technical.support@thalescomminc.com or call 1-800-914-0303.