

WORKING WITH TACTICAL OTAR GROUPS

.....

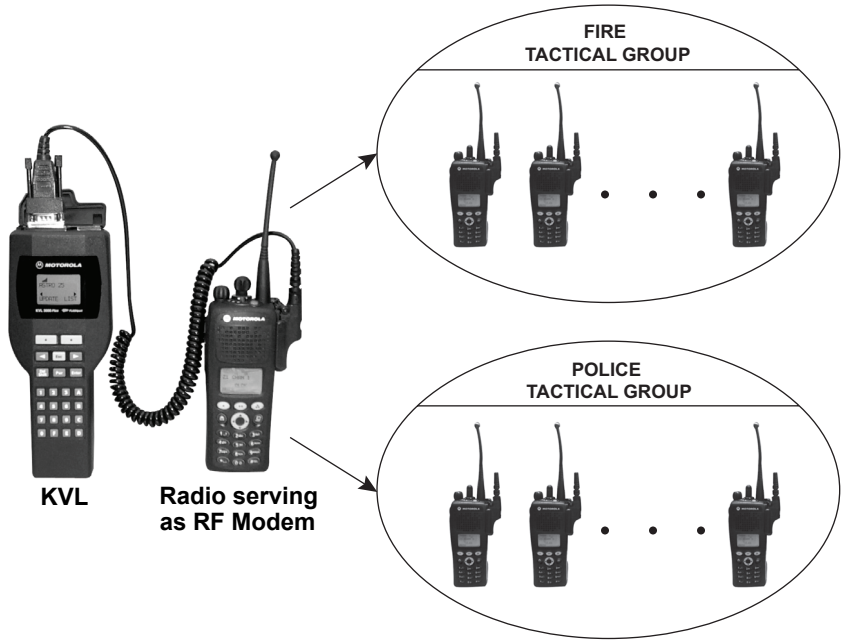
.....

This chapter presents procedures/details for the following sections:

- Defining Tactical OTAR
- Setting Up Tactical OTAR
- Creating a New Tactical OTAR Group
- Deleting a Tactical OTAR Group
- Adding a Member to a Tactical OTAR Group
- Viewing the Members of a Tactical OTAR Group
- Removing a Member from a Tactical OTAR Group
- Editing the TTEK of a Tactical OTAR Group
- Updating a Tactical OTAR Group

DEFINING TACTICAL OTAR

Tactical OTAR is a Motorola feature that allows a KVL to wirelessly manage a key (TEK only) for a small group of radios/subscriber units.



NOTE

The radio serving as the RF Modem may also be a member of any one of the managed Tactical OTAR groups.

SETTING UP TACTICAL OTAR

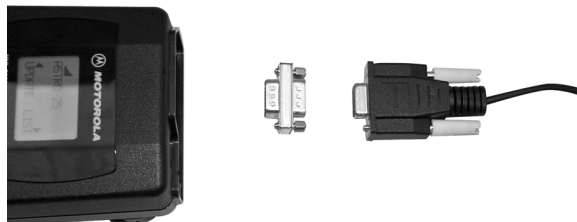
EQUIPMENT NEEDED FOR TACTICAL OTAR

The following equipment are required for Tactical OTAR:

- Data cable
 - NKN6504A for portables
 - HKN6183A for mobiles



- Gender changer (provided with the KVL)

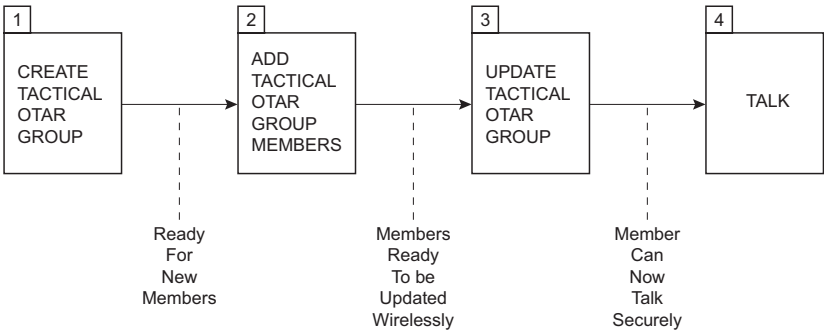


- Radios/Subscriber units equipped with the Tactical Rekey/OTAR feature



TACTICAL OTAR PROCEDURE

The following summarizes the steps/procedures needed in order to set up the Tactical OTAR:



NOTE

All radios/subscriber units must be configured with distinct RSIs and IP addresses for proper operation.

CREATING A NEW TACTICAL OTAR GROUP

To create a new Tactical OTAR group, perform the following:

1. Use the  key to select **OTAR** from the Main Menu.



NOTE

The OTAR mode must be turned on in the configuration menu for this feature to be visible.

2. If there are already Tactical OTAR groups defined in the database, the following screen is displayed (typical screen shown).






NOTE

If there are no Tactical OTAR groups defined in the database, the following screen is displayed.



- 3. Use the  key to select **NEW**. The following screen is displayed (typical screen shown).



- 4. Use the  or  keys to select the algorithm to be used by this Tactical OTAR group.
- 5. Use the  key to select **ACCEPT**. The following screen is displayed.



NOTE

If the TKEK or TSEK/TTEK is not available for the algorithm chosen, the Tactical OTAR group cannot be defined, and one of the following screens is displayed.



OR




6. Enter a Group Name, and press the **Enter** key. The following screen is displayed.





7. Enter the ID, and press the **Enter** key. The following series of screens is displayed.



8. Enter the TKEK, TSEK and TTEK values. After each time, use the  key to select **ACCEPT**.



NOTE

Use the  or  keys to scroll through the available keys for each key type (TKEK, TSEK and TTEK).

- 9. Successful creation of the Tactical OTAR group is indicated by the screen displaying that the group was **SUCCESSFULLY CREATED**.



DELETING AN EXISTING TACTICAL OTAR GROUP

To delete an existing Tactical OTAR group, perform the following:

- 1. Use the key to select **OTAR** from the Main Menu. If there are already Tactical OTAR groups defined in the database, the following screen is displayed (typical screen shown).



- 2. Use the or keys to navigate to the desired group.




NOTE

The groups are ordered alphabetically according to their names.

- 3. Press the **Del/Shift** key. The following screen is displayed asking you to confirm the deletion.



- 4. Use the  key to select **YES** to delete the group (or **NO** to abort without deleting).

ADDING A MEMBER TO A TACTICAL OTAR GROUP




Before a subscriber unit (SU) can be a part of a Tactical OTAR group, it must first be added to that Tactical OTAR group. To add a member to a Tactical OTAR group, perform the following:

- 1. Turn on the KVL and the target radio, then connect them using the appropriate cable (see *Equipment Needed for Tactical OTAR* on page 9-3 for additional details).





NOTE

A member can only be added via a direct connection with the KVL.

- 2. Use the  key to select **OTAR** from the Main Menu. If there are already Tactical OTAR groups defined in the database, the following screen is displayed (typical screen shown).



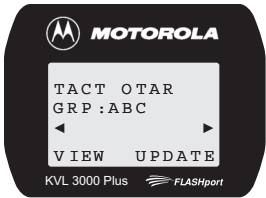
3. Use the  or  keys to navigate to the desired group.




NOTE

The groups are ordered alphabetically according to their names.

4. Use the  key to select **SELECT**. The following screen is displayed.



5. Press the  key, followed by **ADD**. The following screen is displayed.



6. A successful addition of the SU as a member to the Tactical OTAR group is indicated by the screen displaying that the SU is **ADDED**. Otherwise, the failure of addition of the SU is indicated by **FAILURE**.



OR




NOTE



A maximum of 50 members can be added to a Tactical OTAR group.

VIEWING THE MEMBERS OF A TACTICAL OTAR GROUP

To view the members of a Tactical OTAR group, perform the following:

- 1. Use the  key to select **OTAR** from the Main Menu. If there are already Tactical OTAR groups defined in the database, the following screen is displayed (typical screen shown).



- 2. Use the  or  keys to navigate to the desired group.




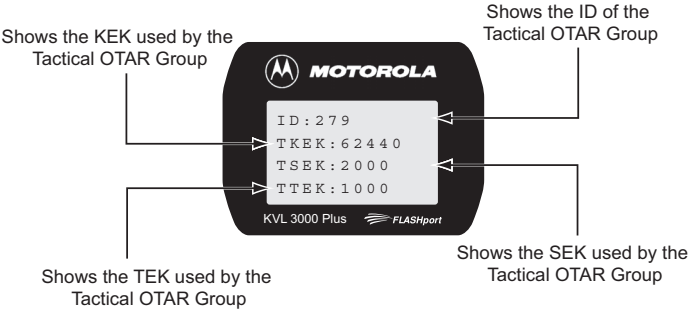
NOTE

The groups are ordered alphabetically according to their names.

- 3. Use the  key to select **SELECT**. The following screen is displayed.





4. Use the  key to select **VIEW** to see the defined parameters of the Tactical OTAR group and the associated members. The following screen is momentarily displayed.

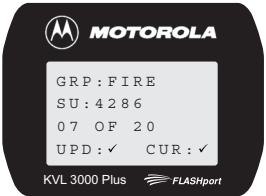


NOTE

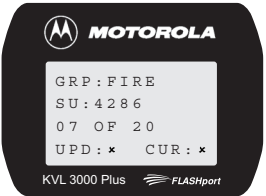
If the group does not have any Tactical OTAR group members, the following screen is displayed.



5. After a few seconds, information associated with the Tactical OTAR group members is displayed on one of the following screens (typical screens shown). Use the  or  keys to scroll through the members of the Tactical OTAR group.



OR





NOTE

A ✓ after **UPD**:

Indicates that the displayed member passed its last UPDATE attempt.

A ✓ after **CUR**:

Indicates that the displayed member is CURRENT and has the latest assigned TTEK associated with the tactical OTAR group.

A ✗ after **UPD**:


Indicates that the displayed member failed its last UPDATE attempt.

A ✗ after **CUR**:



Indicates that the displayed member is NOT CURRENT and does not have the latest assigned TTEK associated with the tactical OTAR group.

REMOVING A MEMBER FROM A TACTICAL OTAR GROUP

To remove a member from a Tactical OTAR group, perform the following:

1. Use the  key to select **OTAR** from the Main Menu. If there are already Tactical OTAR groups defined in the database, the following screen is displayed (typical screen shown).



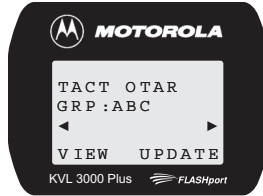
2. Use the  or  keys to navigate to the desired group.






NOTE


The groups are ordered alphabetically according to their names.

3. Use the  key to select **SELECT**. The following screen is displayed.



4. Use the  key to select **VIEW** to see the members of the group (ordered numerically).
5. Use the  or  keys to scroll through the members of the Tactical OTAR group.
6. Press the **Del/Shift** key. The following screen is displayed asking you to confirm the deletion.



7. Use the  key to select **YES** to delete the member (or **NO** to abort without deleting).

EDITING THE TTEK OF A TACTICAL OTAR GROUP



To change a TEK that is currently used to encrypt voice communication in a Tactical OTAR group, perform the following:

- 1. Use the key to select **OTAR** from the Main Menu. If there are already Tactical OTAR groups defined in the database, the following screen is displayed (typical screen shown).



- 2. Use the or keys to navigate to the desired group.




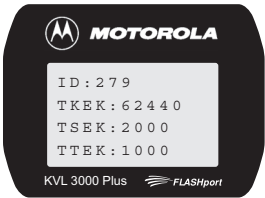
NOTE

The groups are ordered alphabetically according to their names.

- 3. Use the key to select **SELECT**. The following screen is displayed.








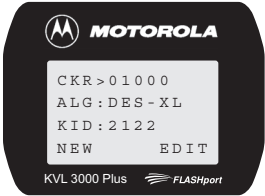
- 4. Use the  key to select **VIEW** to see the CKR ID of the key being used as the TTEK for the Tactical OTAR group. The following screen is displayed.



NOTE

For the above example, the CKR ID is 1000 (the key being used as the TTEK).

- 5. Use the  or  keys to navigate to the KEYS menu from the Main Menu.
- 6. Use the  or  keys to scroll through the keys and select the key with the matching CKR ID.
- 7. Use the  key to select **EDIT**.
- 8. Enter the new Key ID and Key Data, and press the **Enter** key. The following screens are displayed.





NOTE

Upon the next update request for the Tactical OTAR group using the updated CKR as a TTEK, the new key information will be sent to all the members of the group.

UPDATING A TACTICAL OTAR GROUP


To update a Tactical OTAR group, perform the following:

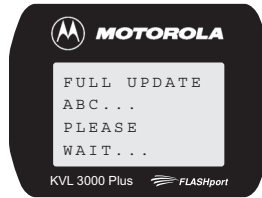
1. Turn on the KVL and the RF Modem radio, then connect them using the appropriate cable (see *Equipment Needed for Tactical OTAR* on page 9-3 for additional details).
2. Turn on all the member radios of the Tactical OTAR Group.
3. Use the  or  keys to navigate to the desired group.




NOTE

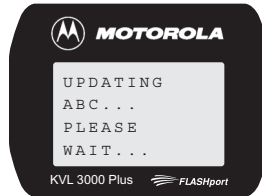
The groups are ordered alphabetically according to their names.

- 4a. Use the  key to select **UPDATE**. The KVL performs a **FULL UPDATE**, where it updates all members of the Tactical OTAR group. The following screen is displayed.

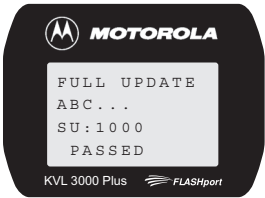


OR

- 4b. Press and hold the **Del/Shift** key, and use the  key to select **UPDATE**. The KVL performs an **OPTIMIZED UPDATE**, where it only updates members of the Tactical OTAR group that have not received the most current key data. The following screen is displayed.



- 5. The screen displays the status of the update for each member (**PASS** or **FAIL**).



- 6. The last update screen displays a summary of the number of SUs that were **UPDATED SUCCESSFULLY**. Use the ☐ key to select **OK**. The following screen is displayed.

