



TETRA Mobile Release

Enhance the security and management of your TETRA Terminal portfolio with Motorola's 5.6 Mobile Release

Motorola is the leading provider of TETRA user terminals. To further enhance portfolio capabilities, Motorola is bringing out Mobile Release 5.6 which will provide users with substantial new functionality.



Key features in Mobile Release 5.6 include: Enhanced Terminal and Call Security

Enhanced Class 3 Security is offered with Group Cipher Key (GCK) for additional partitioning of user groups and support of Secure Direct Mode for Static Cipher Key (DMO-SCK).

Extended efficiency for managing cryptographic talk groups with Over The Air Re-keying (OTAR). This provides secure delivery of keys 'over the air' to operational groups, increasing security and reducing costs GCK updates. It also can be used to update Static Cipher Keys.

Improved management of lost/stolen radios is provided with an authentication enhancement to Temporary Disable (Terminal Stun) function and the new addition of Permanent Disable (Terminal Kill) to avoid any mis-use or information extraction from a lost terminal.

Extended Voice and Data Capability

User Interface Enhancements, such as the feature Change Of Active Talk Group Without Interruption, allow the user to initiate or continue a number of terminal functions while receiving or participating in active group calls.

Enhanced Messaging support with field users are able to receive extended SDS up to 1000 characters from C&C operators and other dispatchers. SDS Messaging ability is also now available in DMO providing messaging capability for a group dealing with a localized incident / project.

Extended Data Interfacing using TETRA Network Protocol (TNP1). This protocol enables users to run Packet Data and SDS applications simultaneously e.g. user could be using WAP browser on terminal for database enquiry and receiving SDS message updates from their central control room at the same time. Also facilitates wider application development. with improved protocol for 3rd party developers.



Highly Efficient Terminal Management

The new Integrated Terminal Management solution is with the User Enhancement feature that visually notifies the user that a terminal upgrade is in progress thus avoiding disrupted updates when the user inadvertently removes the terminal from the programming connection.

Please also refer to separate fact sheet on the overall Integrated Terminal Management solution.

Key Feature Highlight

Group Cipher Key (GCK) provisioned through Over The Air Re-keying (OTAR)

Motorola has a history of leadership in enhancing TETRA security. Motorola is taking this leadership one step further with the introduction of GCK.

GCK provides cryptographic separation between different user groups by applying different cipher keys for each group. Combined with the ability to update the allocated GCKs over the air, with the OTAR feature, provides a very flexible and efficient security layer to TETRA communications.

These combined features ensure:

Privacy within an Organization:

A unit set up to monitor a fraudulent operation can be allocated a talk group with its own unique GCK, thereby ensuring that 'un-authorized' persons cannot listen in.

Privacy between Organizations:

Each organization has its own GCK thereby enabling privacy between organizations. This also ensures security breaches in one organization (such as a lost phone) do not impact another.

For more details on all the features in the release including the ones highlighted above please contact your Motorola representative.



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Motorola, Inc. www.motorola.com