



# TETRA Infrastructure System Release

## Enhance the security and availability of your system with Dimetra 6.1 Release



Motorola is the leading provider of end-to-end TETRA infrastructure. To further enhance its capabilities, Motorola is bringing out Release 6.1 which will provide users with substantial new functionality.

### Key features in Release 6.1 include:

#### Enhanced Security

- **Group Over the Air Re-Keying (OTAR):**  
GCK ensures privacy between different user groups and organizations.
- **Over The Air Re-keying (OTAR):**  
OTAR enables secure delivery of cipher keys 'over the air' and combines with the GCK feature to provide increased call security in a cost effective and practical format.
- **Permanent Disable (Terminal Kill):**  
A premium disabling service that greatly enhances existing 'stun' capability.

#### Increased Availability

- **Redundant MNR-GGSN/Data Resilience:**  
Ensures no single point of failure for data calls.
- **Site Link Redundancy:**  
Reduces leased line costs and offers true redundancy on sites without need for third party equipment.

#### Performance and Coverage

- **Non GPS/Non Synchronized BTS:**  
Facilitates placement of sites with no GPS such as tunnels.
- **Satellite Link between BTS and MSO:**  
To enable temporary or ad-hoc coverage.

#### Operations and Efficiency

- **CWR Support of Legacy Clusters:**  
To ensure flexible network expansion and HW longevity.
- **ICCS Gateway:**  
Offers a single interface for simpler integration and improved flexibility.



#### Key Feature Highlight

##### Group Cipher Key (GCK)

Motorola has a history of leadership in enhancing TETRA security. Motorola was the first to implement TETRA authentication in 2002 and Class 3 encryption in 2003.

Motorola is bringing 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.

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.



**MOTOROLA**

Motorola, Inc. [www.motorola.com](http://www.motorola.com)