DIMETRA X CORE DEPLOYABLE
DEPLOYABLE MISSION-CRITICAL TETRA COMMUNICATIONS SOLUTION FOR MILITARY AND DEFENCE ORGANISATIONS

DIMETRA™ X Core Deployable is a dynamic, secure and resilient mission-critical TETRA radio communications solution.

Built on our proven DIMETRA X Core TETRA digital radio technology — used by public safety agencies around the world — DIMETRA X Core Deployable provides military, defence and security organisations with a dynamic and flexible mission-critical communications network that can be deployed whenever and wherever it is needed.

DIMETRA X Core Deployable enables your organisation to support operations with secure and resilient communications whether it's for a training exercise or field operations. Transportable, deployable, dynamic, flexible and interoperable, it can be tailored to your organisation's specific needs, and easily transported and deployed to where it is needed. It can also provide interoperability with mobile broadband, fixed TETRA networks or other communications systems. This gives your organisation the ability to collaborate seamlessly with public safety agencies, civil authorities and other organisations such as Border Police or Civil Guard.

MOTOROLA SOLUTIONS

DEVELOPED FOR MILITARY AND DEFENCE AGENCIES

DEPLOYABLE
COMMUNICATIONS WHEN AND WHERE NEEDED

DIMETRA X Core Deployable enables military and defence organisations to provide mission-critical communications whenever and wherever it is needed.

It can be installed in ISO containers, mounted in vehicles or carried in transportable boxes. As a modular, transportable, cell-based solution, DIMETRA X Core Deployable makes it easy to extend your communications network to the areas such as training grounds or temporary deployment areas.

DYNAMIC
FLEXIBLE, SCALABLE, EXPANDABLE COMMUNICATIONS

DIMETRA X Core Deployable is built to be flexible and meet the needs of security and defence organisations. It can interconnect multiple cells to form larger networks for increased coverage or additional local capacity.

Scalable from one to over 120 systems, and more than 40,000 users, it allows your organisation to expand your communications from a single system covering a small area to a network covering an entire region or a number of local operational areas connected together.

CONNECTS TO FORM A LARGER NETWORK
Each cell can operate as a separate, self-contained radio system but can also be connected to other cells through a dedicated LTE connection, microwave link or satellite link to create a wider network.

EXPANDS TO SUPPORT OPERATIONS
Your organisation can increase the coverage and capacity required for large operations or training exercises.

GERMAN ARMED FORCES ORDER DEPLOYABLE MISSION-CRITICAL COMMUNICATIONS

Motorola Solutions announced on February 9, 2021 that the Federal Office of Bundeswehr Equipment, Information Technology and In-Service Support awarded the company as main contractor to design and build a deployable, digital communications network within the next four years. The project includes the delivery of up to 120 radio systems. The systems are implemented in two versions - one version for a large number of users and a wider reach integrated in 20-foot ISO containers (40 systems), the other system version will be installed in operating, transport and storage containers (80 systems) providing greater flexibility, operational readiness and higher mobility.

CUSTOMISABLE
TAILORED TO INDIVIDUAL REQUIREMENTS

DIMETRA X Core Deployable is fully customisable and can be tailored to meet your organisation's exact requirements. You can define your requirements, and we will deliver the right configuration of capacity, capabilities, ruggedness, resilience and security for your organisation.

CUSTOMISABLE CONFIGURATION
A number of base radios can be deployed in a cell depending on capacity needs. The solution can be built with integrated LTE technology for enhanced data communications. DIMETRA X Core Deployable can also be customised to run from a variety of power sources for example batteries or diesel generator.

CUSTOMISABLE RUGGEDNESS
High grade boxes and enclosures with up to IP68 or MIL-STD specifications can be selected for operations in wet or dusty environments.

CUSTOMISABLE RESILIENCE
Cells can be configured with redundant components — for example, base radios or power sources for extra resilience.

CUSTOMISABLE SECURITY
Your organisation can select the right levels of security for your needs, from standard TETRA Air Interface Encryption through to hardware based end-to-end encryption.

INTEROPERABLE
COLLABORATE ACROSS DEVICES AND NETWORKS

DIMETRA X Core Deployable allows individuals, organisations and agencies to work together whether on the same network via agency partitioning or through interoperability with other networks.

INTEROPERATES WITH MOBILE BROADBAND NETWORKS
By integrating with a Push-to-Talk (PTT) over broadband solution, such as our WAVE PTX™ solution, DIMETRA X Core Deployable enables users to have PTT communications with those who use smartphones or broadband devices. Being able to have PTT communications with other organisations such as civil authorities or local government can accelerate the flow of information for faster, more coordinated operations – for example in response to natural disasters.

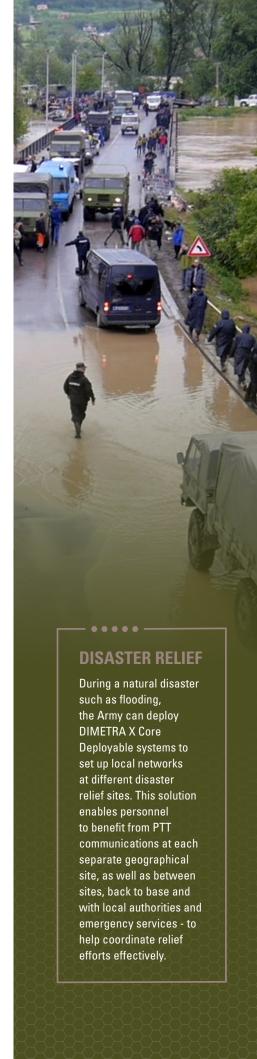### COLLABORATES WITH REGIONAL AND NATIONAL TETRA NETWORKS
The DIMETRA X Core Deployable network can also be connected through the Inter-System Interface (ISI) to another TETRA network such as local, regional or national public safety networks.
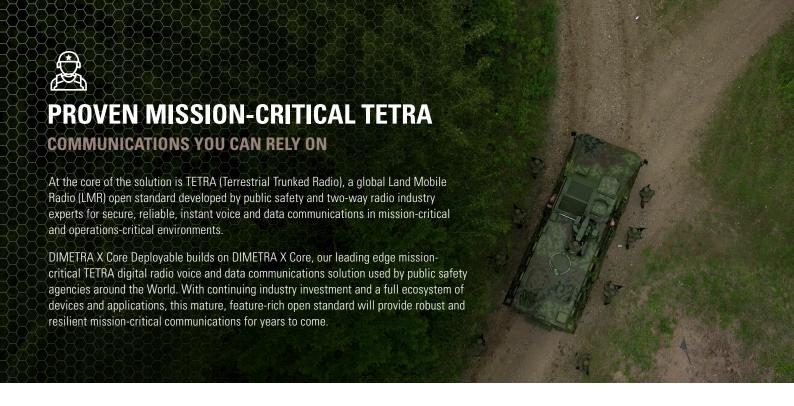
The solution also supports communications with other communication systems via analogue gateways.

DIMETRA X Core Deployable enables your organisation to work together and coordinate with local authorities or emergency services.

CONNECTS TO COMMAND & CONTROL
With APIs for Dispatch Communication Servers (DCS), command and control centres can be connected to the system for better control and coordination of your operations.

DISASTER RELIEF

During a natural disaster such as flooding, the Army can deploy DIMETRA X Core Deployable systems to set up local networks at different disaster relief sites. This solution enables personnel to benefit from PTT communications at each separate geographical site, as well as between sites, back to base and with local authorities and emergency services - to help coordinate relief efforts effectively.

PROVEN MISSION-CRITICAL TETRA
COMMUNICATIONS YOU CAN RELY ON

At the core of the solution is TETRA (Terrestrial Trunked Radio), a global Land Mobile Radio (LMR) open standard developed by public safety and two-way radio industry experts for secure, reliable, instant voice and data communications in mission-critical and operations-critical environments.

DIMETRA X Core Deployable builds on DIMETRA X Core, our leading edge mission-critical TETRA digital radio voice and data communications solution used by public safety agencies around the World. With continuing industry investment and a full ecosystem of devices and applications, this mature, feature-rich open standard will provide robust and resilient mission-critical communications for years to come.

OPERATE IN CONFIDENCE
TRUST A WORLD LEADER IN TETRA

The DIMETRA X Core Deployable solution is built on a heritage of innovation and proven technology. Motorola Solutions has been developing robust, reliable TETRA communication solutions for over 25 years and in that time has deployed over 1000 DIMETRA systems in more than 100 countries. Motorola Solutions are one of the founders of TETRA and have helped to develop it into a recognised ETSI standard for mission-critical compatibility and interoperability.

We can provide your organisation with a complete end-to-end communications solution that includes: network infrastructure, end-user devices and support services. As a market leader, we continue to invest in TETRA technology and deliver new features and capabilities.

As a global provider, Motorola Solutions has personnel and facilities around the world. With such global reach, customers can rely on Motorola Solutions to support their operations.

GERMAN NAVY INVESTS IN NEW MISSION-CRITICAL COMMUNICATION NETWORKS

Motorola Solutions announced on August 31, 2021 that Motorola Solutions has been selected by the Federal Office of Bundeswehr Equipment, Information Technology and In-Service Support to provide secure digital radio communications for 16 naval vessels and training platforms for the German Navy. Motorola Solutions will roll out digital TETRA networks on each of the 16 vessels and integrate the systems into the navy's existing IT infrastructure. The new solution will provide onboard security personnel with visibility of the real-time operational status of each of the naval platforms, and portable TETRA radios enabling instant workgroup communications between teams.

For more information, please visit
motorolasolutions.com/dimetraxcoredeployable

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