



**DMR Tier 3 Solutions
for Business Critical Applications**

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DMR has been in the market for 5 years as a conventional system only

2012 will see the first DMR trunked systems in the market that are fully compliant with the DMR tier 3 standard



Overview

- Why DMR
- Data services
- Remote update
- Network Management
- Security
- Migration

The DMR Advantages



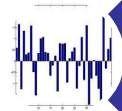
Doubling of capacity with existing channels



Easy and low cost upgrade from analogue



Longer battery life and greater power efficiency



Native data support



Advanced control features



Superior audio quality



An open standard which ensures security of supply
and cost competitiveness

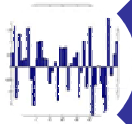
Additional DMR Tier 3 Advantages



Easy network operation



All devices are authenticated on the network



More data capabilities - Short data service & Packed data service



Private communications through talk groups



Efficient use of available spectrum

99.9%

Higher reliability






Location Services With Trunked DMR

- Location information tells you where your workforce is:
 - Improved safety
 - Increase efficiency
- Trunked DMR can support AVL using short data messaging on the control channel without impacting voice



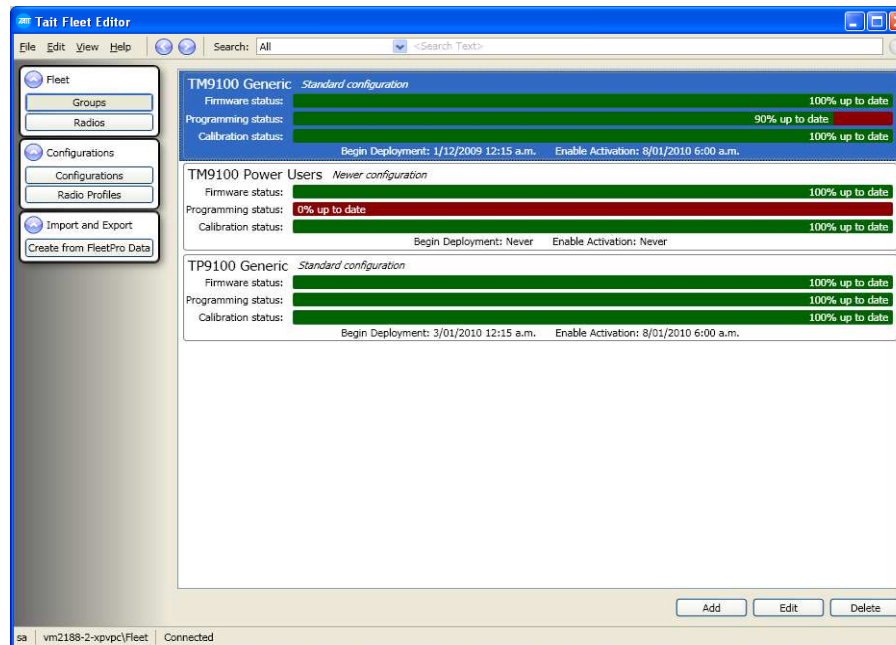
Data To Improve Efficiency

- Data communications is more efficient than voice
 - job dispatch
 - workforce management applications
- Standards based with IP data interface

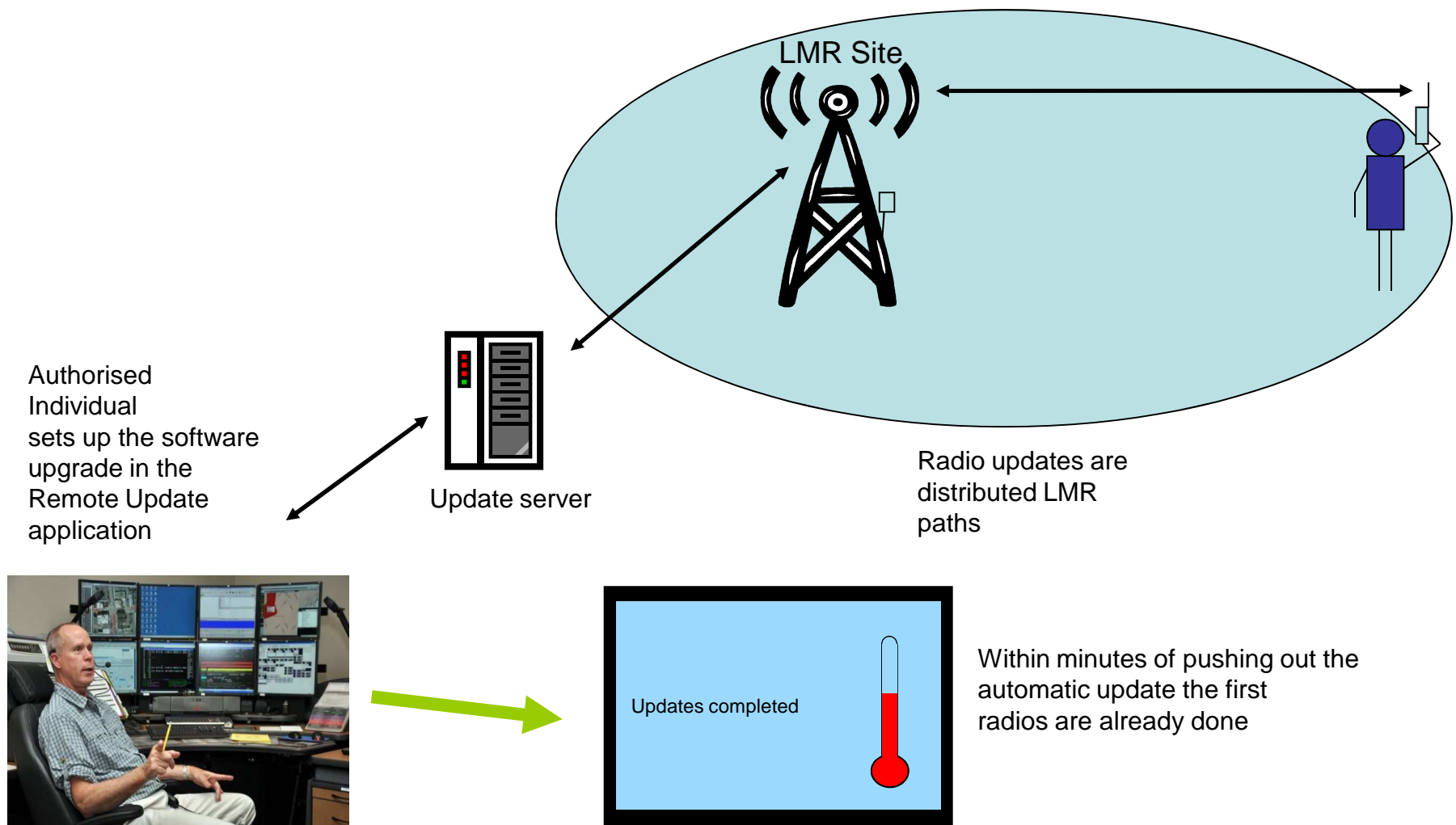
Order State	Order Number	D/Led	Mobile Worker	City	Address 1
	184	N	2004	VANCOUVER	1009 Hamilton Street
	188	Y	2002	VANCOUVER	13 MARKETREE CI
	193	Y	2003	VANCOUVER	11606 KERRY LA
	194	Y	2001	VANCOUVER	15520 REEDIE DR
	195	N		VANCOUVER	2 NORLEE DR

Over The Air Programming (OTAP)

- Fleet management is a high operational cost
- Programming terminals has a cost
- The data services of DMR allow for efficient and low cost over the air programming



OTAP



Network Management

- Monitoring your network
 - Alarm reporting
 - SNMP based
- Reporting on network performance
 - Usage reporting
 - KPI reporting
 - ROI validation
- Monitor and manage key assets
 - Remote configuration/upgrade
 - Authorisation
- 'Single screen' operation
- Secure access



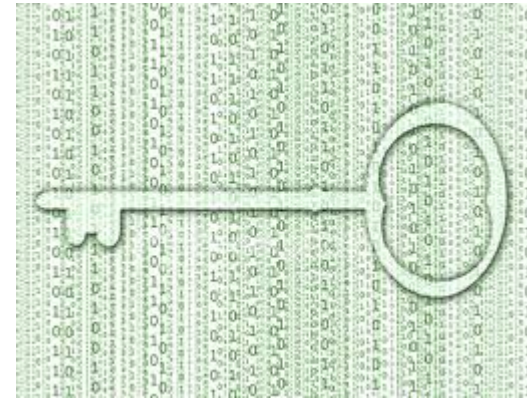
Privacy Protection

- High level encryption support
 - DES, AES
- Differentiated user access
- Protected databases
- Access reports in Network Management

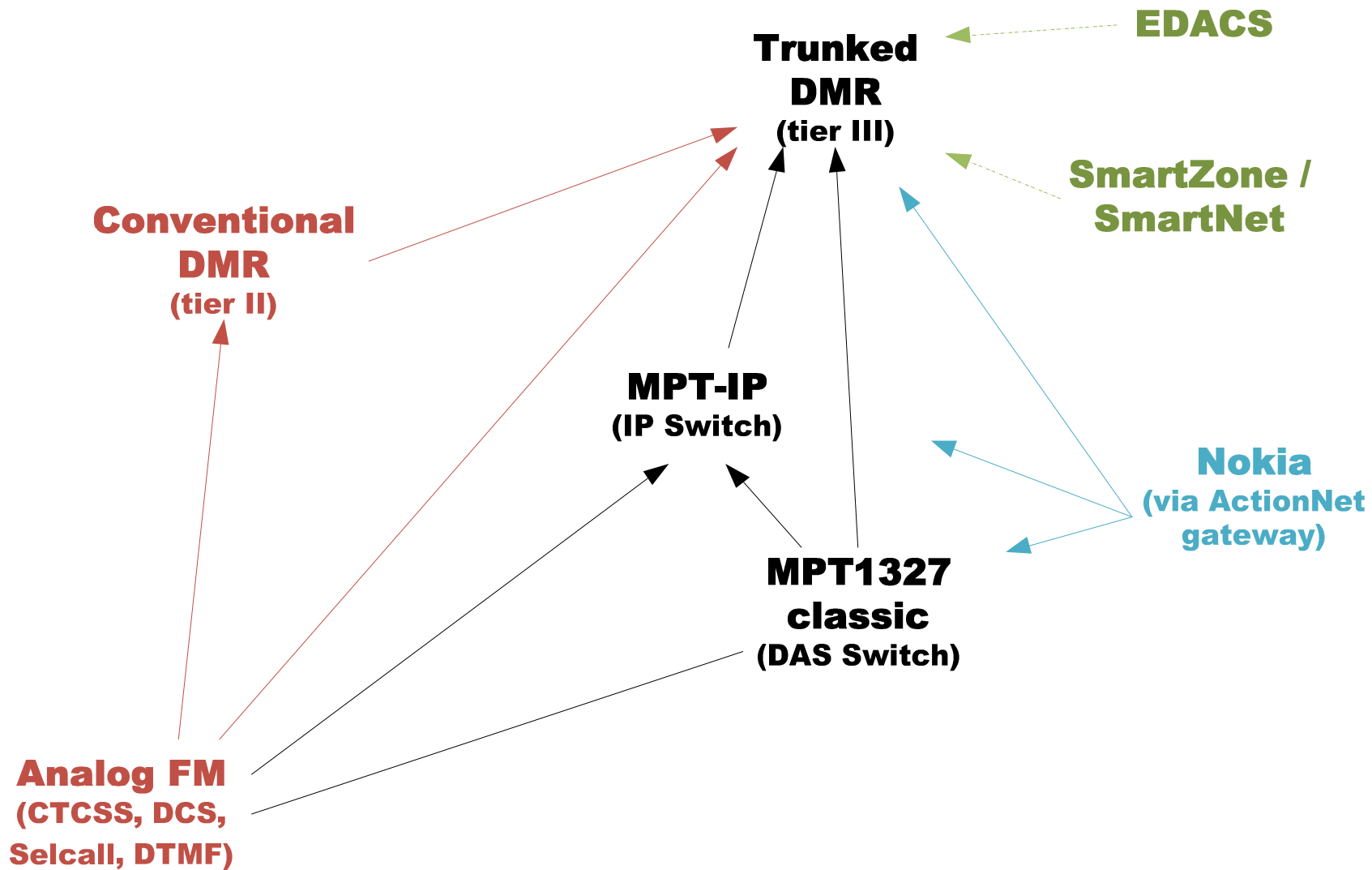


Cyber Security Support

- Secure HTTP ports
- Firewalls on node controller
- SNMP3
- Differentiated user access
- Password protection everywhere
- Centralised access control and logging through Network Management
- Security reporting through Network Management

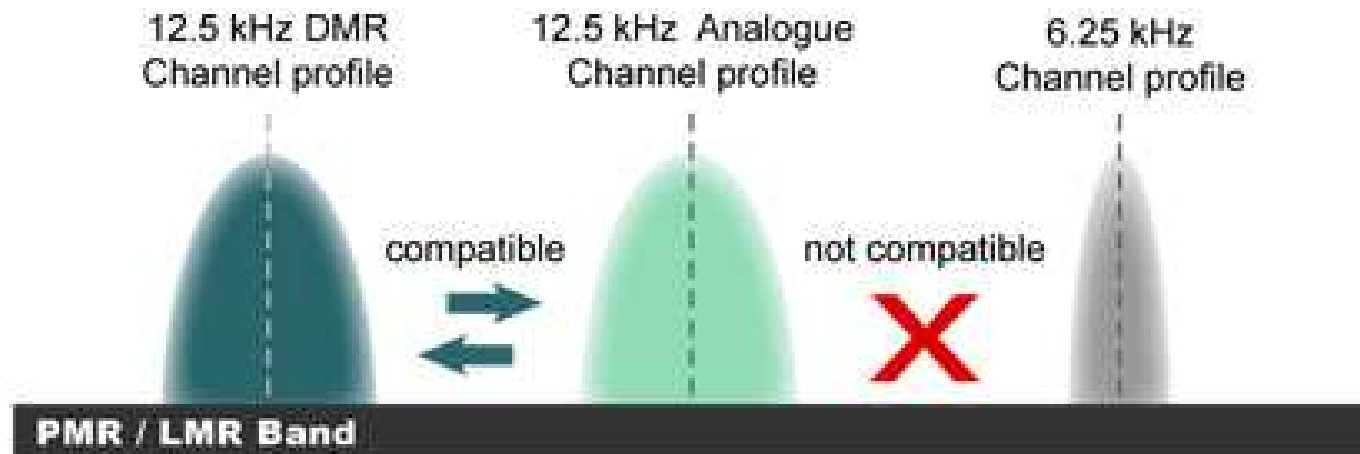


Migration



Migration

- Re-use of existing spectrum
- No need for additional equipment at site
- Dual mode terminals allow for phased approach



Tait DMR



A high value add DMR Tier 3 solution

- Open standards trunked DMR network
- Integrated location services for efficiency and safety
- Data services to improve efficiency of your organisation
- Over The Air Programming for reduced operational cost
- Network Management that brings you from monitoring to managing your network
- Encryption and security features for privacy protection and critical infrastructure protection



Thank You

Chris Cant
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A high value add DMR Tier 3 solution

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Visit: Tait Radio Communications at the show