



Secure Remote Asset Management & Situational Awareness

Paradigm Dynamic Integrated Telematics (DIT) Service Powered By IBM Remote Operations and Management (ROaM)







The Origins of the Dynamic Integrated Telematics Service - Why DIT?









What is the DIT Service?

Dynamic Integrated Telematics (DIT) Service

Remotely monitor and interact with control & management systems.

Strategic management and support of remote vehicles, fixed and maritime assets.

Enables C⁴ISTAR capabilities to be captured.



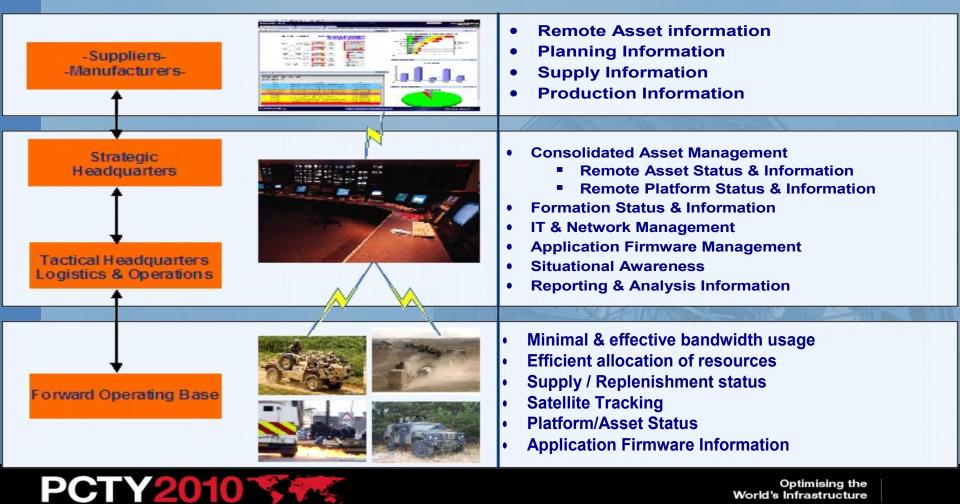




What is the DIT Service? - Service Provision: Smart Logistics

User Level

User Level Benefits

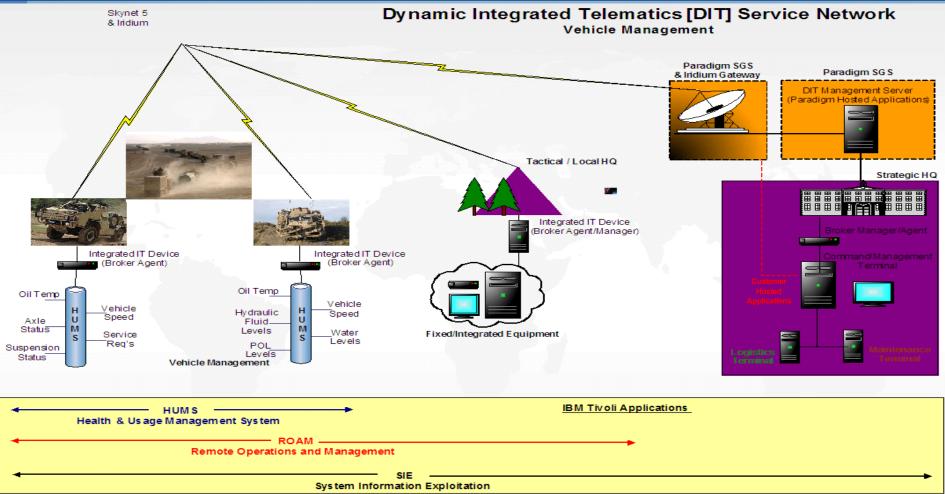


Paradigm

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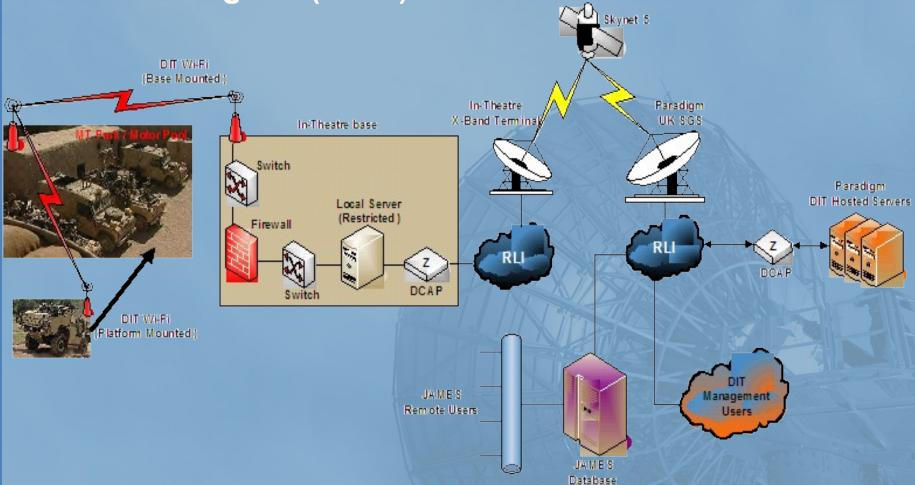


How will the DIT Service be delivered? - Network Diagram (Satcom)



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How will the DIT Service be delivered? - Data Set Delivery Levels

Data Set Option 1

- **Remote Vehicle Management** \geq
 - Axle Shock levels
 - **Temperature levels**
 - Fluid levels

Data Set Option 2

- **Fixed Asset Management**
 - **Running Time**
 - Voltage levels
 - Load capacity

Data Set Option 3

- Integrated Sensor & Intelligence system Management
 - Sensor data
 - Status changes

Data Set Option 4

- Marine Asset Management
 - Turbine power O/P
 - Pump capacity
 - Load balancing















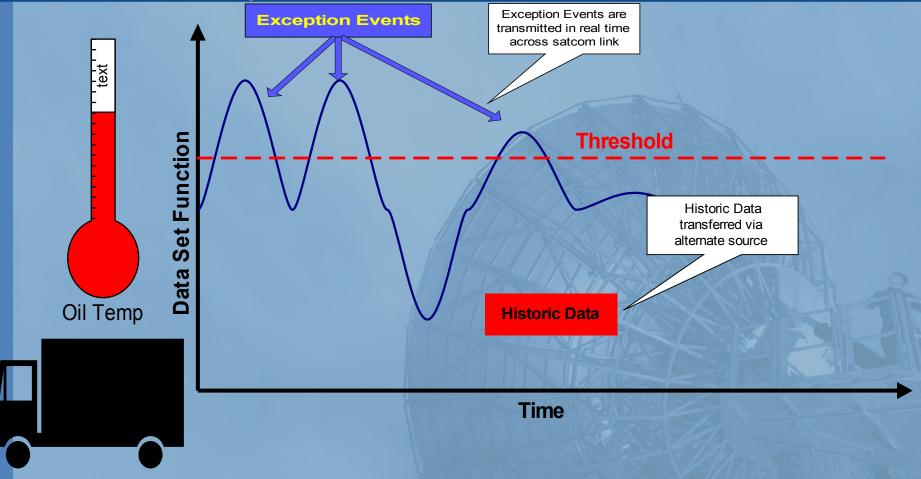








How will the DIT Service be delivered? - Data Set Delivery









Secure Military & Government DIT Delivery

- Dual delivery via Iridium & Skynet 5
 - > UK MOD
 - > UK Government
 - > NATO
 - Other National Governments
 - Iridium Delivery
 - L-Band
 - Short Burst Data
 - Baseline security (AES 128 / AES 256)
 - COTS equipment
 - Skynet 5 Delivery
 - X-band
 - Streamed data
 - Enhanced security
 - Developing state of the art X-band technology







Non-Military DIT Delivery

- Dual delivery via Iridium enables DIT to be delivered to non-military customers:
 - Emergency & Law Enforcement
 - Merchant & Auxiliary Navy
 - Commercial Haulage
 - Rail service providers
- All Commercial Customers to be delivered through DIT Iridium





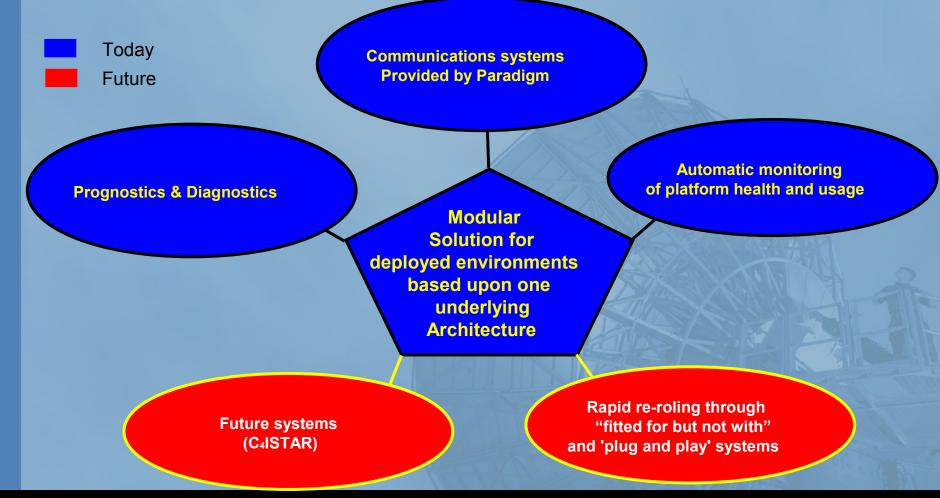








How will the DIT Service be delivered? - A Modular Services Solution









Summary - Advantages & Benefits

Advantages of the DIT Service to existing operational capabilities:

- Superior Asset Management
- Intelligent Logistics
- Complementary to existing communications
- Enhanced C⁴ISTAR data capture
 - virtual "real-time" Situational Awareness & Intelligence Gathering

Benefits of the DIT Service:

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- > Improved operational effectiveness
- Better logistical budget management
- Accurate & appropriate asset spares holdings
- Enhanced asset performance & maintenance
- Bespoke solutions to meet individual customer requirements
- Reduces exposure to potential life threatening scenarios.



