



Marine Corps Autonomic Logistics

2008 DoD Maintenance Symposium

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Program Manager
Autonomic Logistics



Programs

- Autonomic Logistics
- Electronic Maintenance Support System
- Embedded Platform Logistics System

EMSS High Level Concept



Authoritative Data Sources:

- PM Office
- Schoolhouses
- Albany Pubs Site

Main – Redstone Arsenal



Top Tier Server



Regional Server

BN X

BN Y

BN Z

— Wired
..... 802.11 Wireless

Bn Level

EMD



MTVR



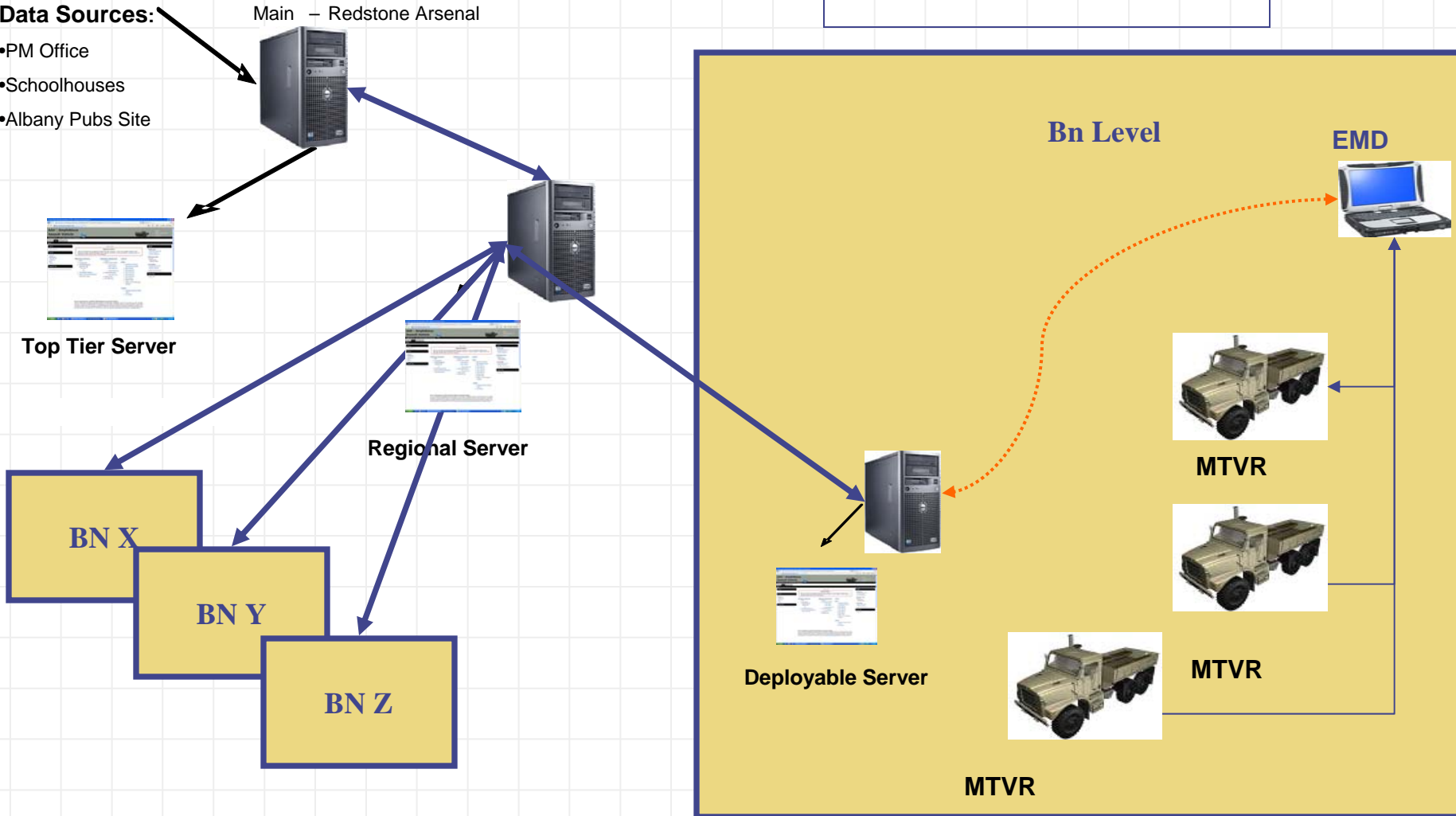
MTVR



MTVR



Deployable Server



Embedded Platform Logistics System



➤ Platforms

- 878 LAV
- 1057 AAV
- 5204 MTRV

➤ Main Components

- Sensors
- Data Buss
- Driver Display
- On-Board Computer
- On-Board Software Client
- Off-Board Service Application
- Business Rule Editor



Vehicle Managers Device
Tech Manuals/E-Records/Digital Forms
Alerts/Sensor Data
Wireless Comms

Driver Display

**On Board
Computer/AHM**

**Mobile Loads
Passenger Manifest**



**~100 Existing
Data Points**

3 DACs

20 Additional Sensors



Vehicle Managers Device
Tech Manuals/E-Records/Digital Forms
Alerts/Sensor Data
Wireless Comms

Driver Display

**On Board
Computer/AHM**

**Mobile Loads
Passenger Manifest**

**20 Existing STE-
ICE Sensors**

**1 ICE-CAN
3 DACs**

18 Additional Sensors





**Vehicle Managers Device
Tech Manuals/E-Records/Digital Forms
Alerts/Sensor Data
Wireless Comms**

Driver Display

**On Board
Computer/AHM**

**Mobile Loads
Passenger Manifest**



**15 Existing STE-
ICE Sensors**

**1 ICE-CAN
5 DACs**

26 Additional Sensors

FSV – Status Viewer



LSS - Logistics Support System - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://141.240.36.67:8080/FSV/Module/Servlet

Search complete: 4 results found

| Asset ID | Asset Name | Count | Status | Timeline |
|------------------------|------------|-------|------------------------|----------------------------------|
| 151/27012 | Assets | 100 | 100% (Green) | Timeline: 100% green bar |
| 151/27103 | Assets | 110 | 100% (Yellow) | Timeline: 100% yellow bar |
| AAV P7A1 RAM RS | Assets | 1 | 100% (Yellow) | Timeline: 100% yellow bar |
| AAV P7A1 RAM-RS 522459 | Assets | 1 | 100% (Yellow) | Timeline: 100% yellow bar |
| 1JB-12 | Assets | 120 | 50% (Green), 50% (Red) | Timeline: 50% green, 50% red bar |
| MTVR MK-28 | Assets | 1 | 100% (Red) | Timeline: 100% red bar |
| MTVR MK-28 632090 | Assets | 1 | 100% (Red) | Timeline: 100% red bar |
| MTVR MK-36 | Assets | 1 | 100% (Green) | Timeline: 100% green bar |
| MTVR MK-36 598104 | Assets | 1 | 100% (Green) | Timeline: 100% green bar |

Timeline labels: Feb 23, Mar 07, Apr 14, Apr 21, Apr 28, Apr 04, Apr 11, Apr 18, Apr 25, May 02, May 09, May 16, May 23

OSINT

Internet

EPLS High Level Concept



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Top Tier Server



Regional Server



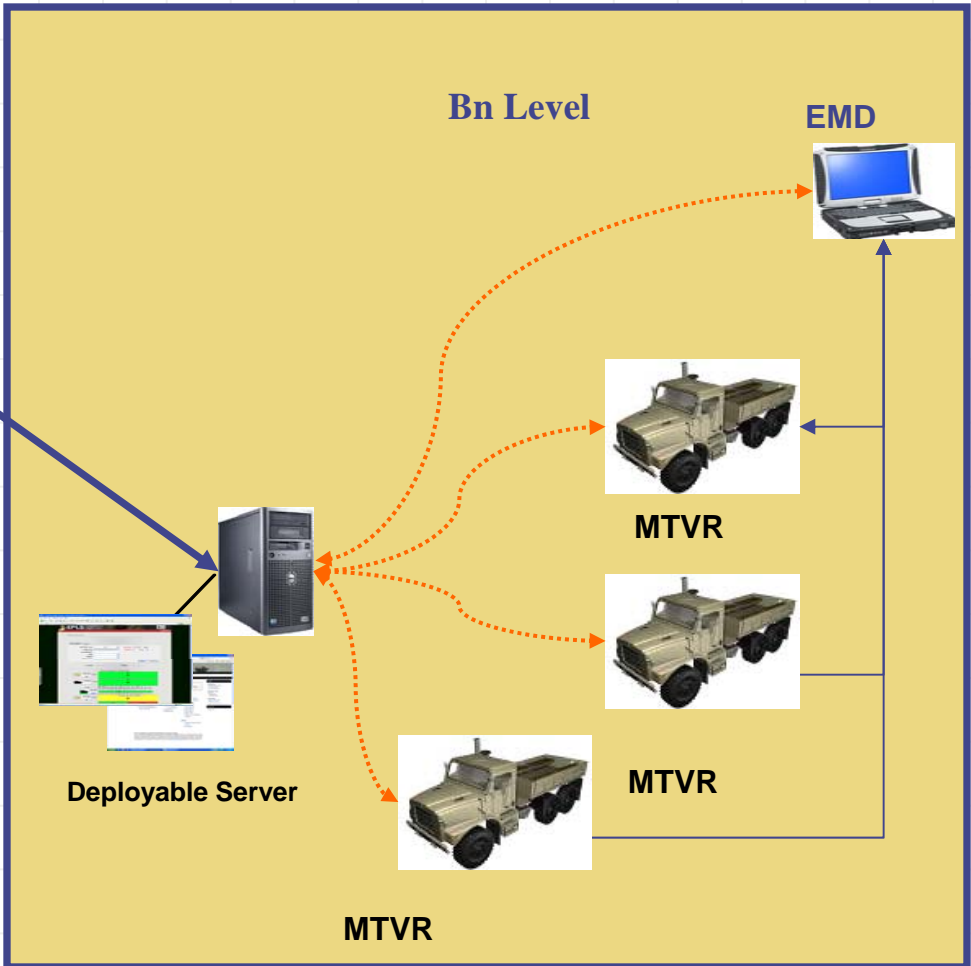
BN X



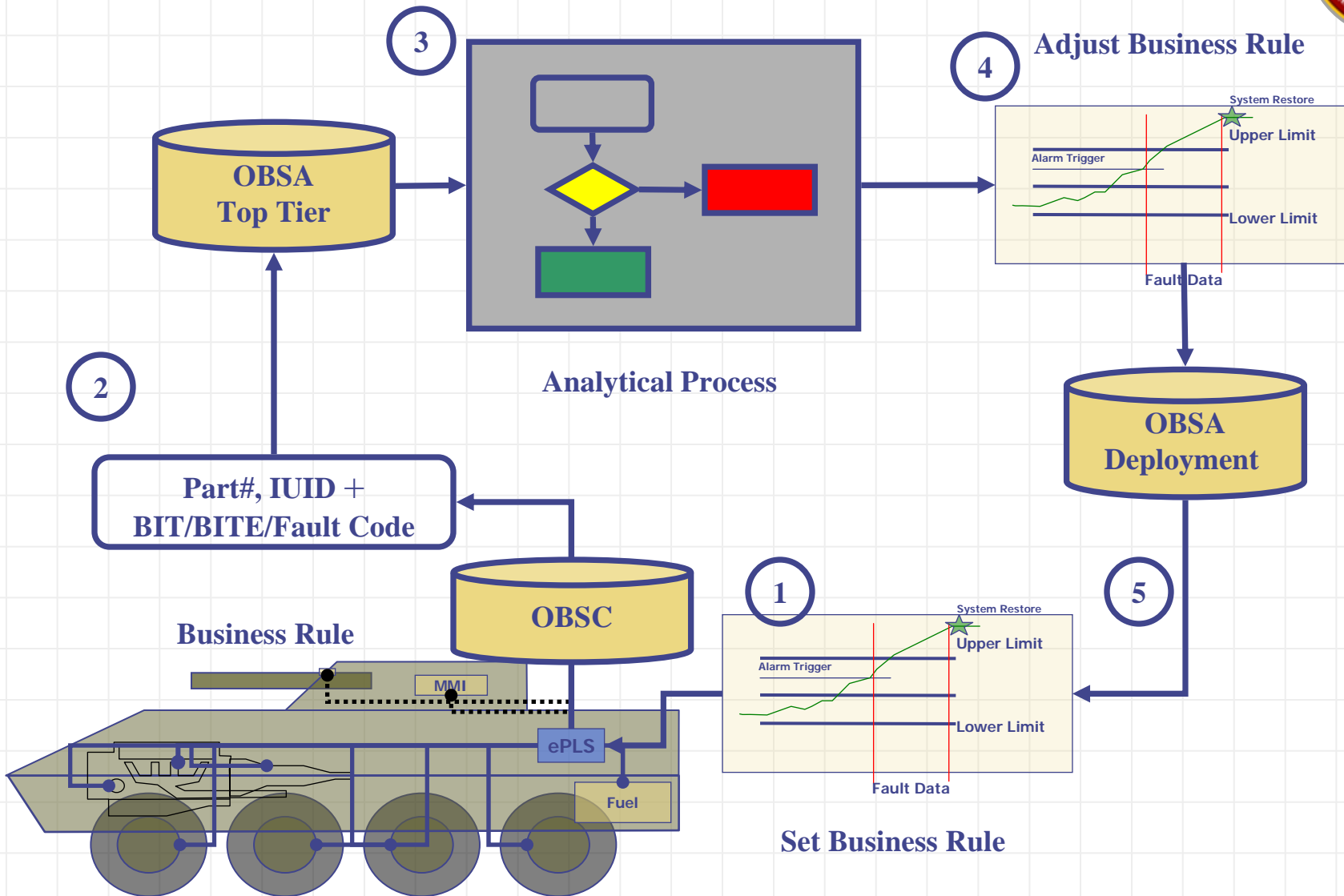
BN Y



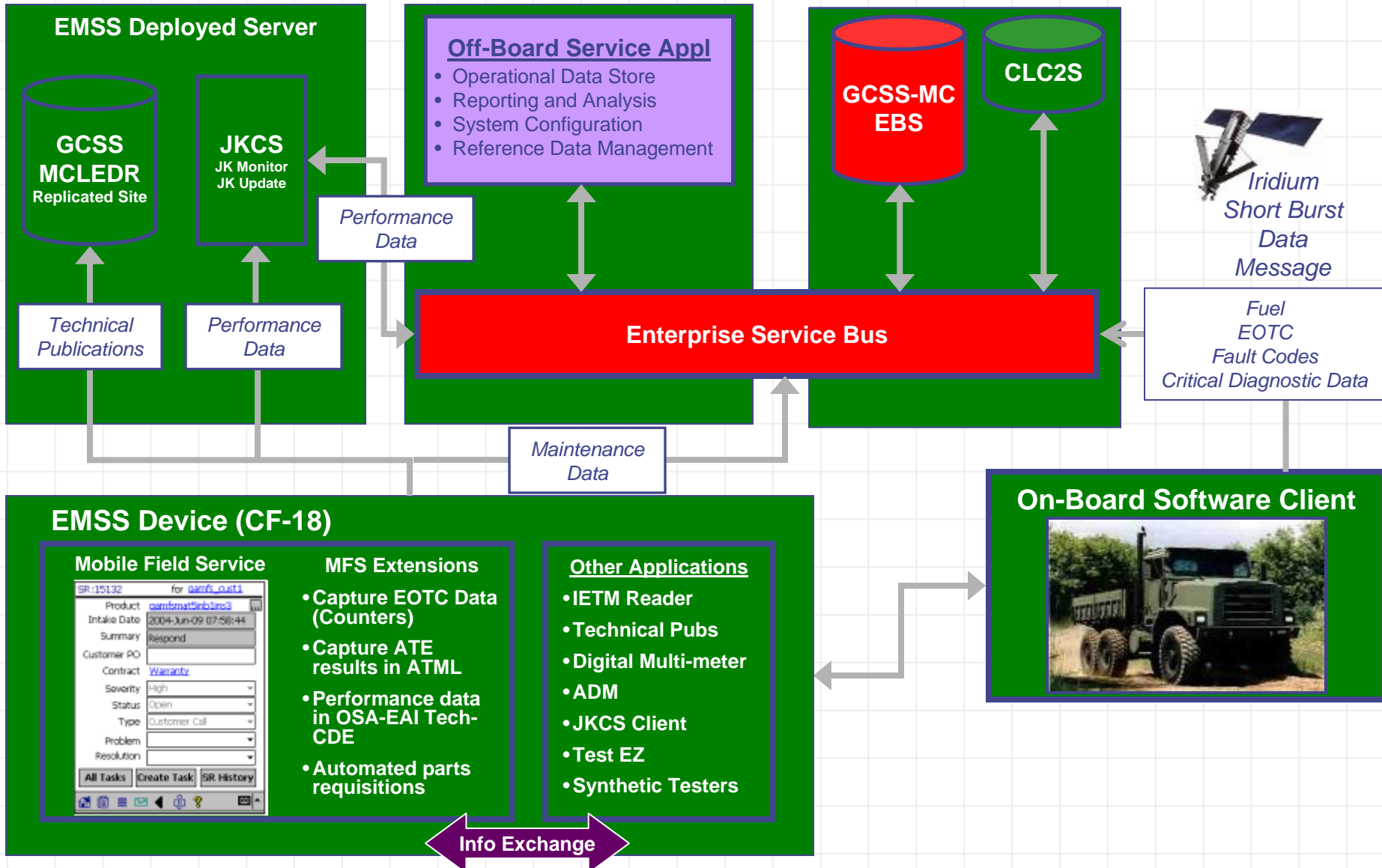
BN Z



EPLS Business Rule



Enterprise Integration Concept





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