



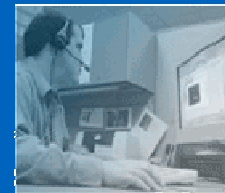
DIMETRA SYSTEM API TRAINING

Dimetra Interface Overview

Welcome!



Instruction (instructor)
Instruction (attendees)



Course Structure



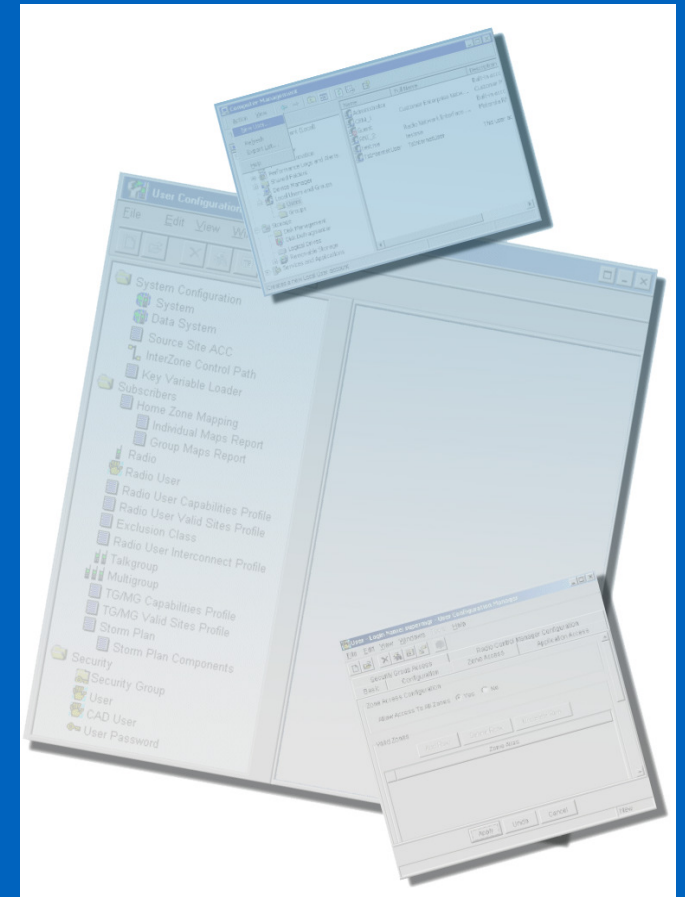
Module 1 - Course Introduction

Module 2 – Dimetra API Overview

Module 3 – Dimetra System Overview

Module 4 – Dimetra API features

Module 5 - Course Summary



Course Objectives



Orientate

- Existing and New Developers

Knowledge Sharing

Understand the different APIs available

Introduce Possible Solutions

Dimetra API Overview



Application **P**rogramming **I**nterface

A set of routines, protocol and tools

Provides interface to System

Allows software customization

Why API ?



Users:

- Public Safety
- Transportation
- Construction

Requirements:

- Improve security in flow of information
- Quick Response
- Improve manpower deployment
- Easy access to DB



A solution to enhance the operation

Better integration to existing application

Dimetra API Integrations



Integrated Voice & Data Solutions

Motorola
Tetra
System

API/Interfaces

Motorola's application hardware & software expertise is enhanced with products developed by market experts through the 'Application Partner Program'



Dimetra System Overview



Digital Trunked System

Fully Tetra Standard Compliant

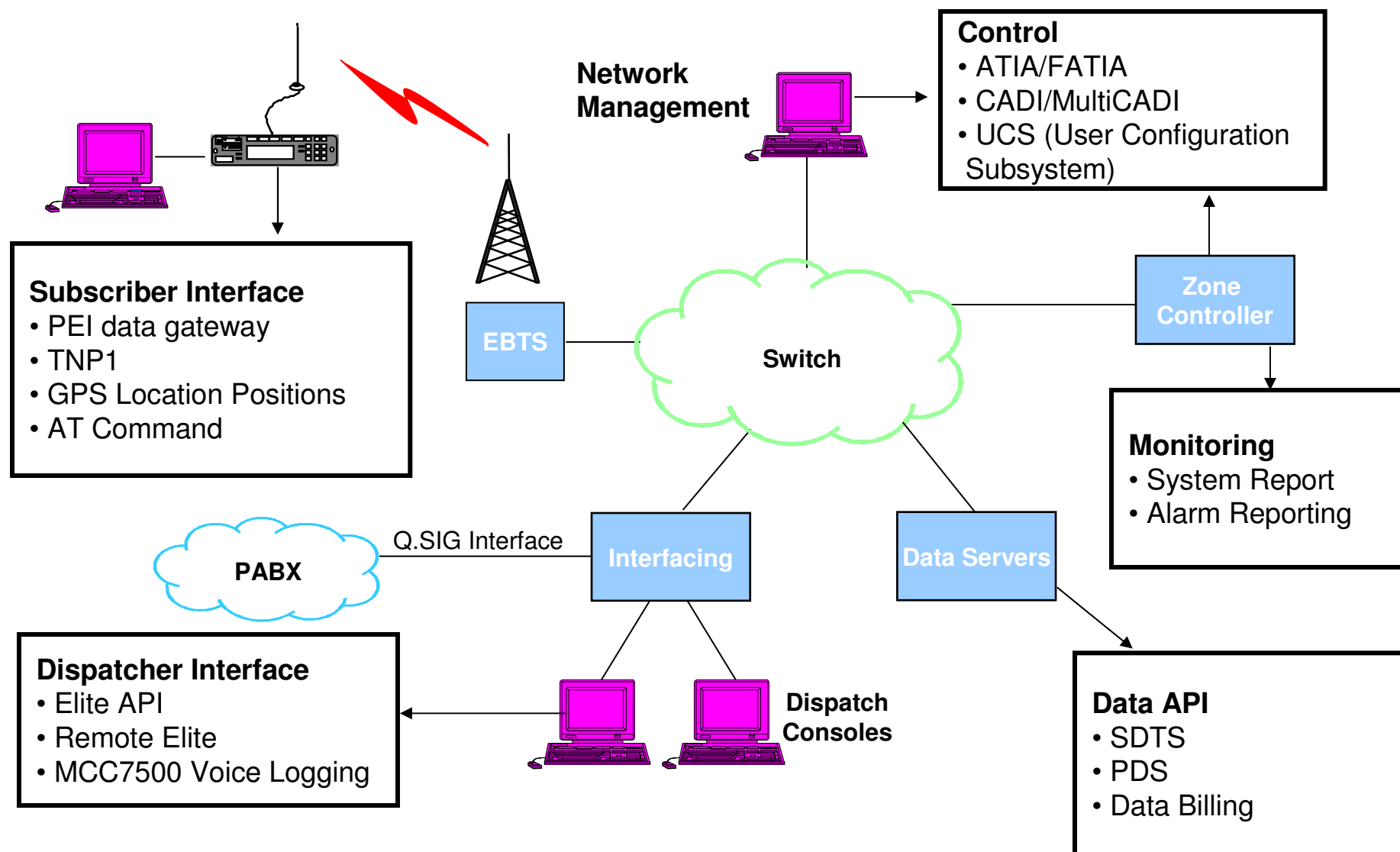
Provides Voice and Data Features

Provides API for customization

**New system releases have
more features intro**



Dimetra API





Dimetra API Features

SDTS

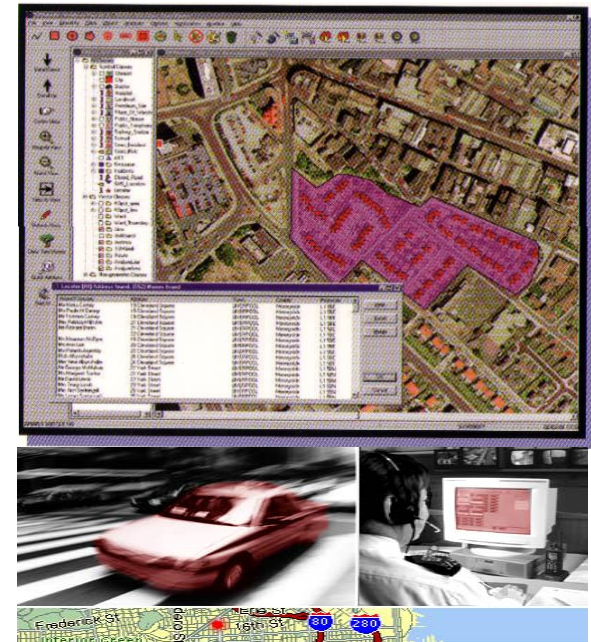


Data and Text transport service

Point-point, point-multipoint data service (OTA)

Possible Solutions:

- Text Messaging
- Db inquiry and updates
- Automatic Vehicle Locator



PDS



IP Host and IP communicating

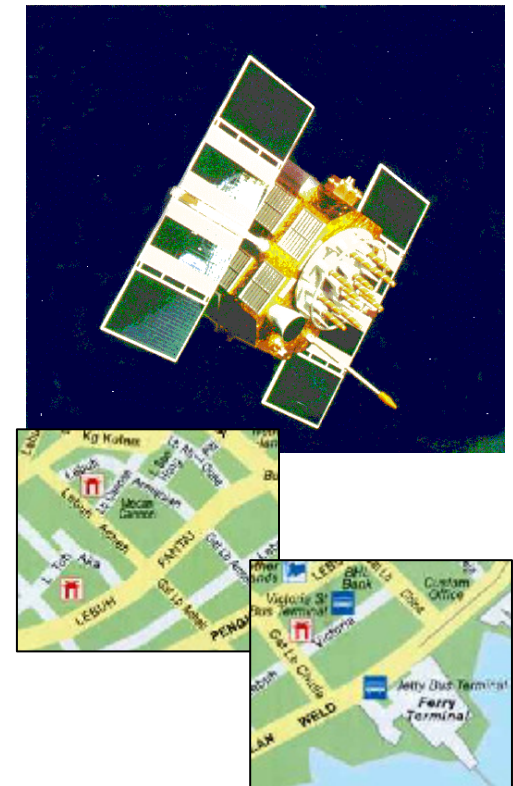
Point-point large amount of transfer data

Possible Solutions:

- Large file & Image transfer
- DB inquiry & updates
- Large text messaging
- WAP Services
- Automatic Vehicle Locator



2 Protocols: LRRP & LIP



TNP1



Radio able to use SD & PD Services at the same time
AT Command-based protocol
TNP1 commands

Dispatcher Interface



Console Dispatcher (local, remote)

Facilitate dispatching audio & control information

Reduce Response Time

Improve deployment



MCC 7500 Voice Logging



Introduced in Dimetra R6.2

Clear audio and encrypted (R7.1)

AIS will forward audio to Recorder Applications

CADI



Computer Assisted Dispatch Radio Management Access radio command and event Features:

- Enabling & Disabling of Radios
- Dynamic Regrouping
- Radio Events Monitoring





Fleetmapping / provisioning infrastructure and radio data

Functions:

- Insert, delete, update, read, list

ATIA/FATIA



Access point to raw air traffic call info

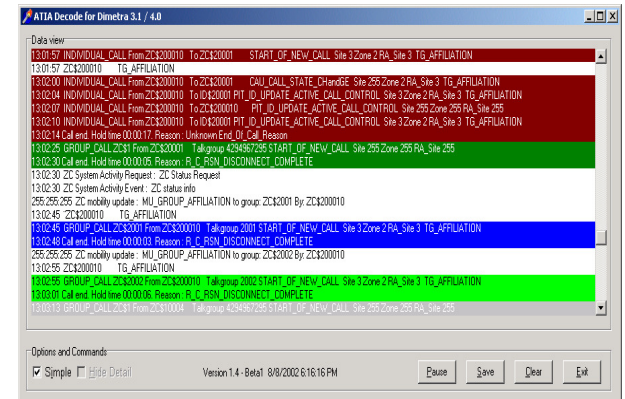
Detail info:

- voice call activity
- Status updates

Possible Solutions:

- System usage statistics/analysis
- Billing report
- Channel utilization & system

loading monitoring



Alarm Reporting



Introduced in Dimetra R7.1

**Able to receive, request and access management data for
a network management systems or manager of
managers usage**

SNMP interfaces

System Report API



Statistics Export Interface

- Provides hourly snapshots from Statistics DB

Infrastructure Reports

- Provides daily infrastructure configuration data reports

Used for system documentation, configuration control, system use audit

FTP file from server



Possible Solution from the API

Computer Aided Dispatch

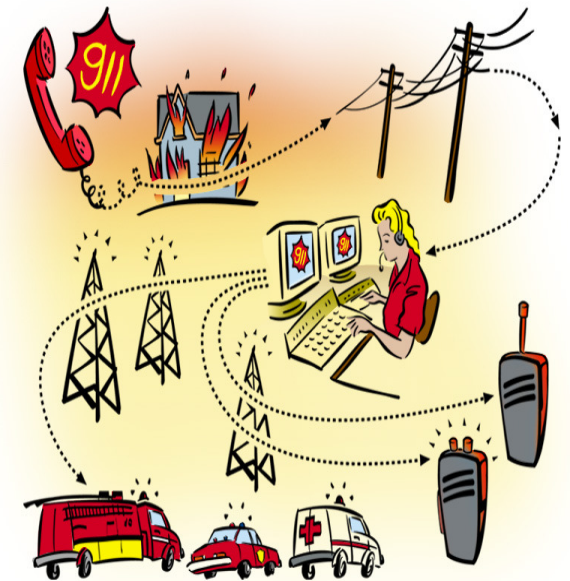


API Used:

- CADI, Vortex, SDTS, PDS

Benefit:

- Faster response time
- Record and file incidents on the spot
- Provides better employment of manpower



Mobile Data



API Used:

- SDTS, PDS

Benefit:

- Instance reporting
- Access to DB fast & secure
- Real time DB updates



Automatic Vehicle Locator (AVL)



API Used:

- SDTS, PDS, Vortex, GPS

Benefit:

- Patrolling more efficient
- Faster response to incident
- Vehicle tracking



Digital Image Transfer

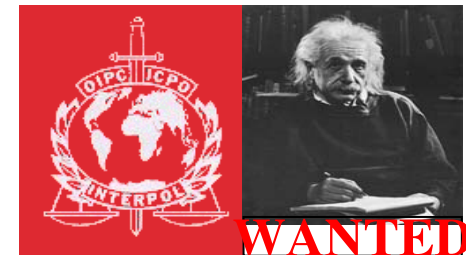


API Used:

- PDS, Vortex

Benefit:

- Fast response to incident
- Facilitate control center decisions
- Provides better deployment





Summary

Summary



Course Objectives

Dimetra API Overview

Dimetra System Overview

Dimetra API features

Possible Solutions from API

THANK YOU...



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