GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS

PRESENTATION ON INTEGRATED COACHING MANAGEMENT SYSTEM
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Main aspects of Coaching operations

- Running of Coaching Trains (Punctuality)
- Coaching Stock Management
- Time – Tabling
ICMS – Modules

- PAM
- COIS
- DATA
- CMM

Reports
The COIS (Coaching Operations Information System) module provides detailed, real-time information for planning, executing and monitoring the operations of passenger services. Since the system is aware of the plans, it requires minimal data input.

The CMM or Coach Maintenance Management module has been developed to facilitate and record maintenance of coaches and the management of spare parts inventory. It is fully integrated with the operations modules for generating alerts, interchange of information, request for placement of rolling stock for repairs, delivery and acknowledgement of certification of coaches for service, etc.

The Punctuality Analysis & Monitoring (PAM) module of ICMS automatically picks up the delays from the Control Office Application (COA) and produces real-time insight into the state of the operations. The system provides consistent and accurate reports for all level of management, from the operative to the strategic. Since ICMS already has most of the related information, it is the natural place to also monitor and analyse the punctual running of trains.
CONTROL OFFICE APPLICATION (COA)

- Train operations on the Indian Railways are controlled and monitored by the Control Rooms in each of the seventy seven divisional/area control offices. The Control Room is the nerve centre of the division. COA is a 24X7 application. It has changed the way the trains are monitored as train movements are captured in real time and movement of scheduled and unscheduled trains planned and controlled through the computer aided interface.
CONTROL CHART
Integration Amongst Systems

- **NTES**
  - Train Master Data
- **CMS**
  - Running Train Info
- **PMS**
  - Parcel coach Info
- **ICMS**
  - Consist & scope of augmentation
  - Train Data Running Timings
  - Loco Information
  - All coach operations maintenance information
- **PRS**
- **COA**
- **FOIS**
- **CMM**
DATA– Data Entry Module

- Managing all the master data of Coaches and Trains.
  - Train Profiles
  - Train Schedules
  - Rake Links
  - Rake Consists
- Train time tabling (WTT and PTT), publishing to other systems like NTES, COA, CMS etc.
Punctuality Analysis And Monitoring (PAM)

- Automated, real-time reports based on COA feed, and
- Punctuality related activities integrated into a workflow
Controller

User Sent coach data to Divisional COA Server

COA Divisional Server

COA Central server

ICMS server
PAM Module

- Centralized web based application accessible from Division, Zone and Railway Board level.
- Monitoring Punctuality of all Passenger Carrying Trains Over Indian Railways at all levels.
- Capturing train running timings and delays with its detention details.
- Based on data captured from such sources, system generates various types of analytical and critical reports at all levels.
Please update slip route (bifercated) train’s consist information in data module, to take advantage in punctuality calculation for such slip trains. NEW
Slip trains will be given advantage of late start in the punctuality calculation in case of lost status. NEW

If Train Profile Is Not Confirmed End To End, Repoting In ICMS Will Not Be Allowed.
View List Of Passing Trains Having Not Confirmed Profiles. Click here.

Report Train Detention Using New Interface

Basic Features.
1. Know your detention reporting progress train group wise.
2. Know and view your due reporting train over a mouse click.
3. Display of complete train running and areas of time lost with in division.
4. No need to select/type section, ‘from station’, ‘to station’ and detention time.
5. Facility to delete a stored detention record.
Centralized Web based application for Coaching Stock management.
- Rake operations.
- Coach Operations.
- Loco operations in passenger service.
- Shop operations.
- Sick operations.
- Coach Census
## COIS – Yard Display

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Benefits – manifolds

- A number of MIS Reports in PAM & COIS regarding train running, coach movements etc.
- Better monitoring of train running & optimum utilisation of coaching stock
- Census through system
- Planning in advance
- Replacement of manual reports – transparency & effectiveness
National Train Enquiry System is a nationwide integrated on-line information system for providing updated information regarding expected/actual arrival/departure of passenger carrying trains and other details to the public/rail passengers. Information made available to public through–

- Display Boards at stations
- Face to Face Enquiry counters at stations
- Internet – Web interface(\url{http://enquiry.indianrail.gov.in}) and Mobile Apps
- Indian Railway Enquiry Call Centres (139)
NTES
Thank you