



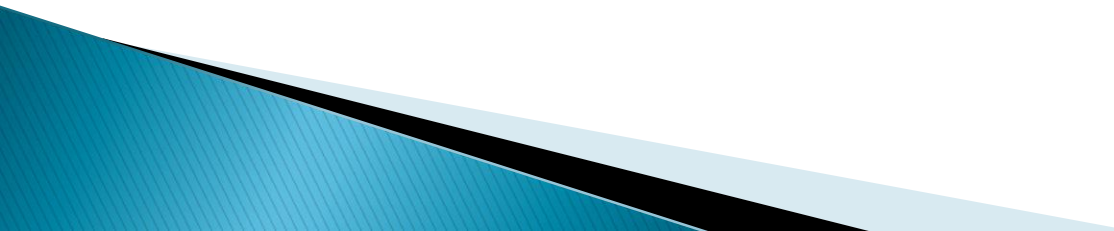
**GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS**

**PRESENTATION ON INTEGRATED
COACHING MANAGEMENT SYSTEM**

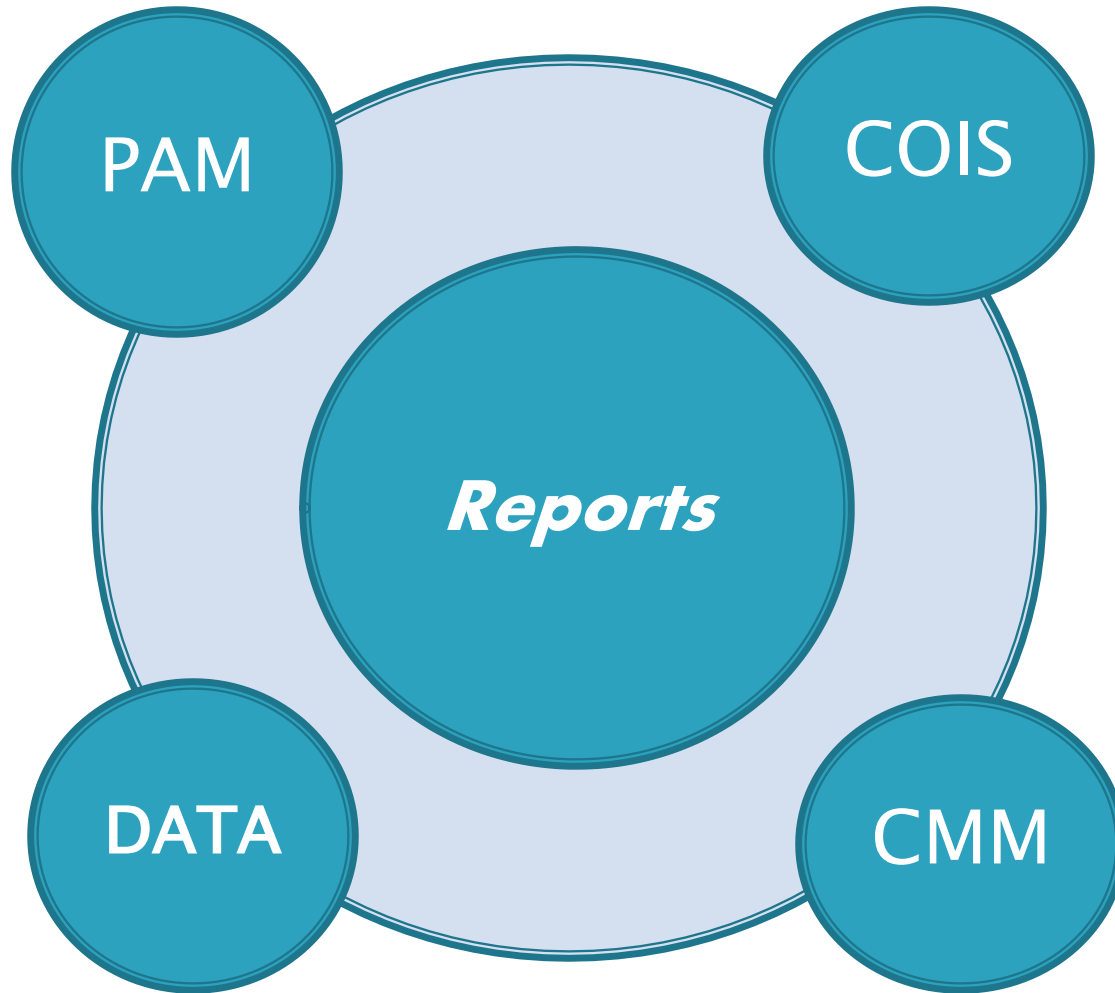
BY

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DIRECTOR (TRAFFIC)
INDIAN RAILWAYS**

Main aspects of Coaching operations

- ▶ Running of Coaching Trains(Punctuality)
 - ▶ Coaching Stock Management
 - ▶ Time -Tabling
- 

ICMS - Modules



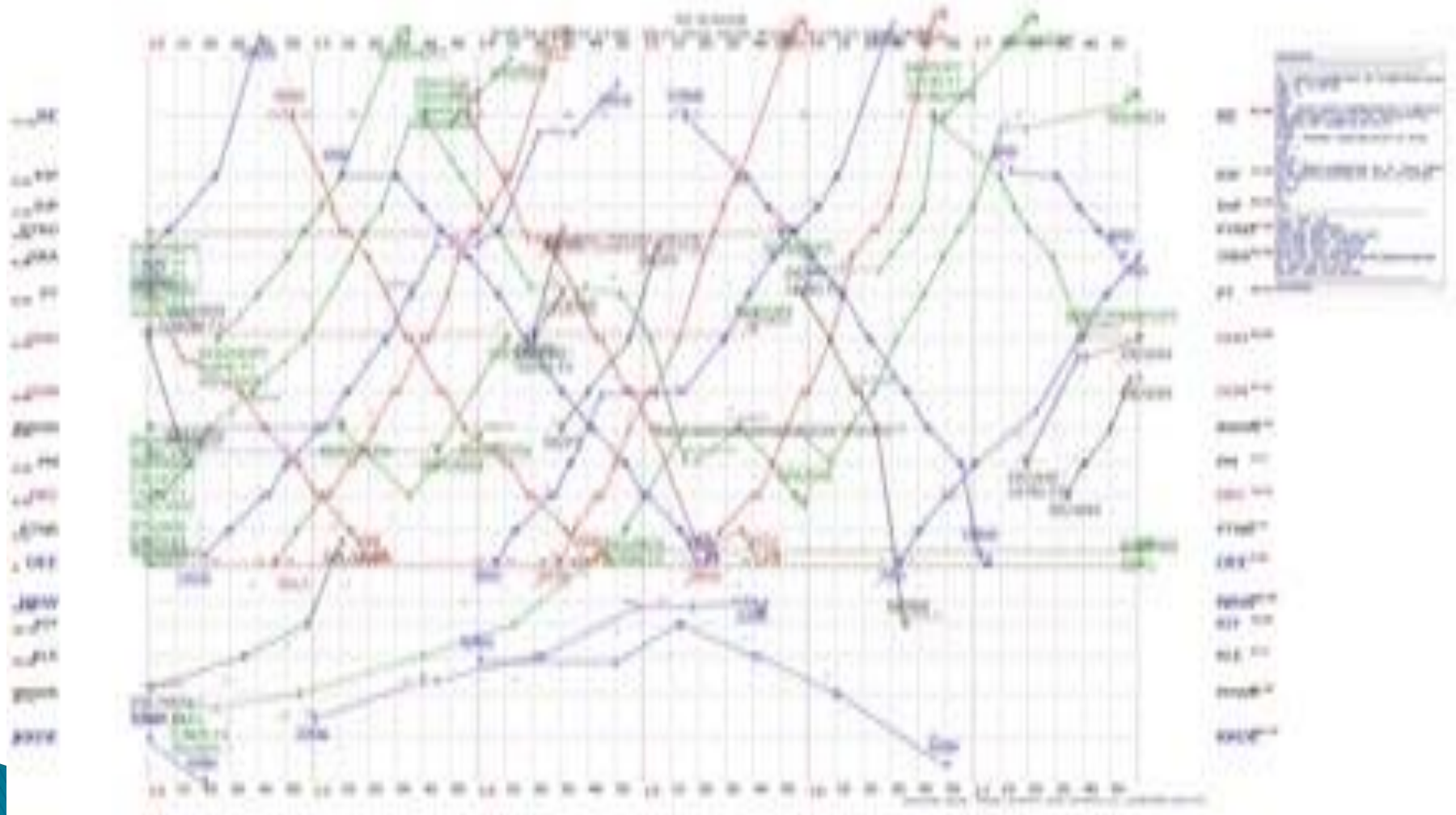
ICMS

- ▶ 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.

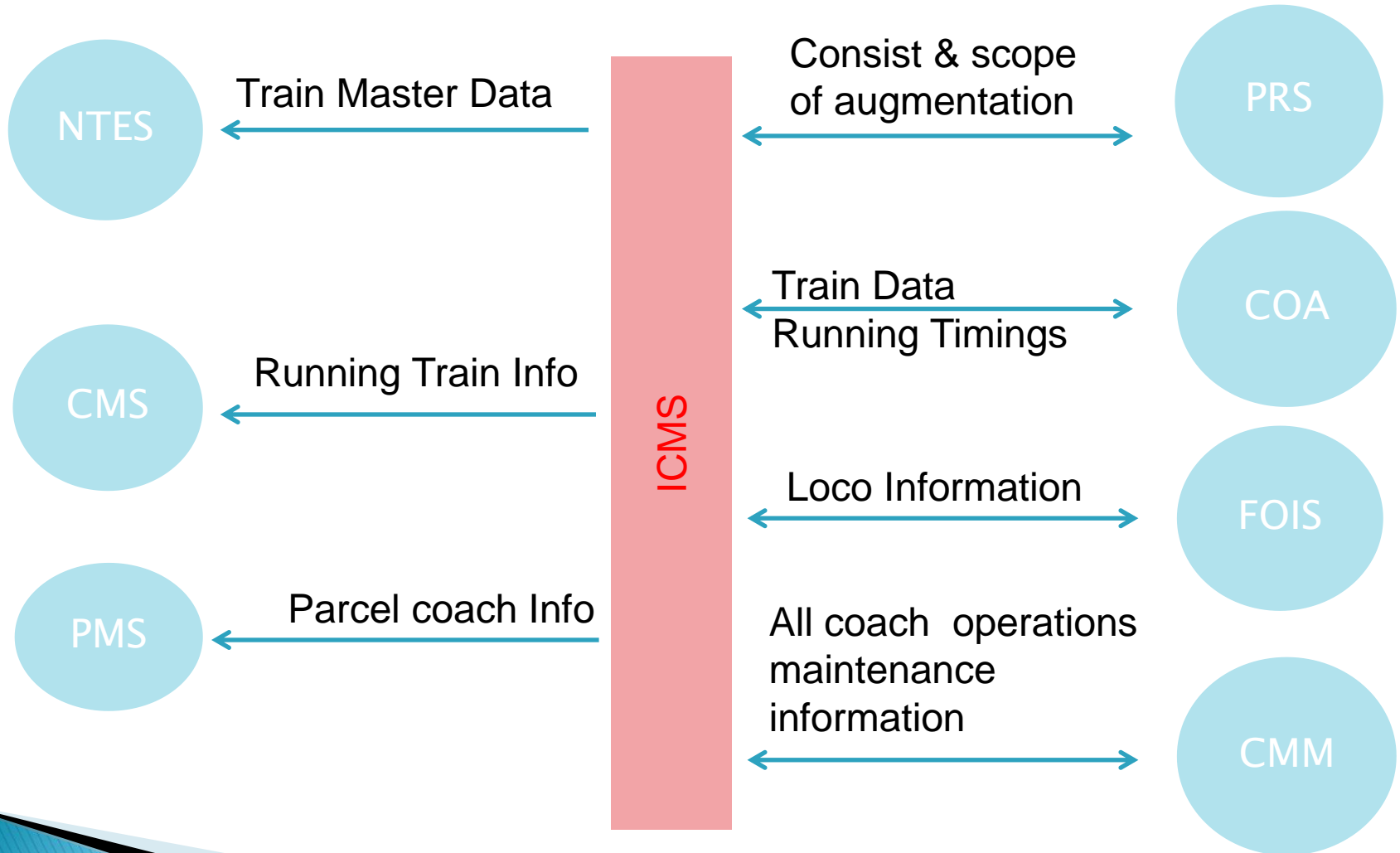
CONTROL OFFICE APPLICATION (COA)

- ▶ 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.

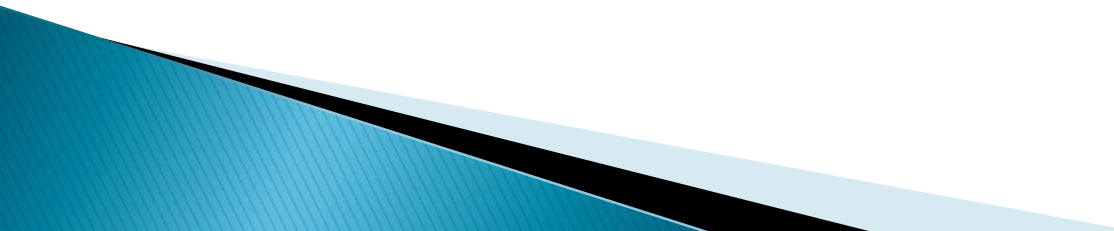
CONTROL CHART



Integration Amongst Systems



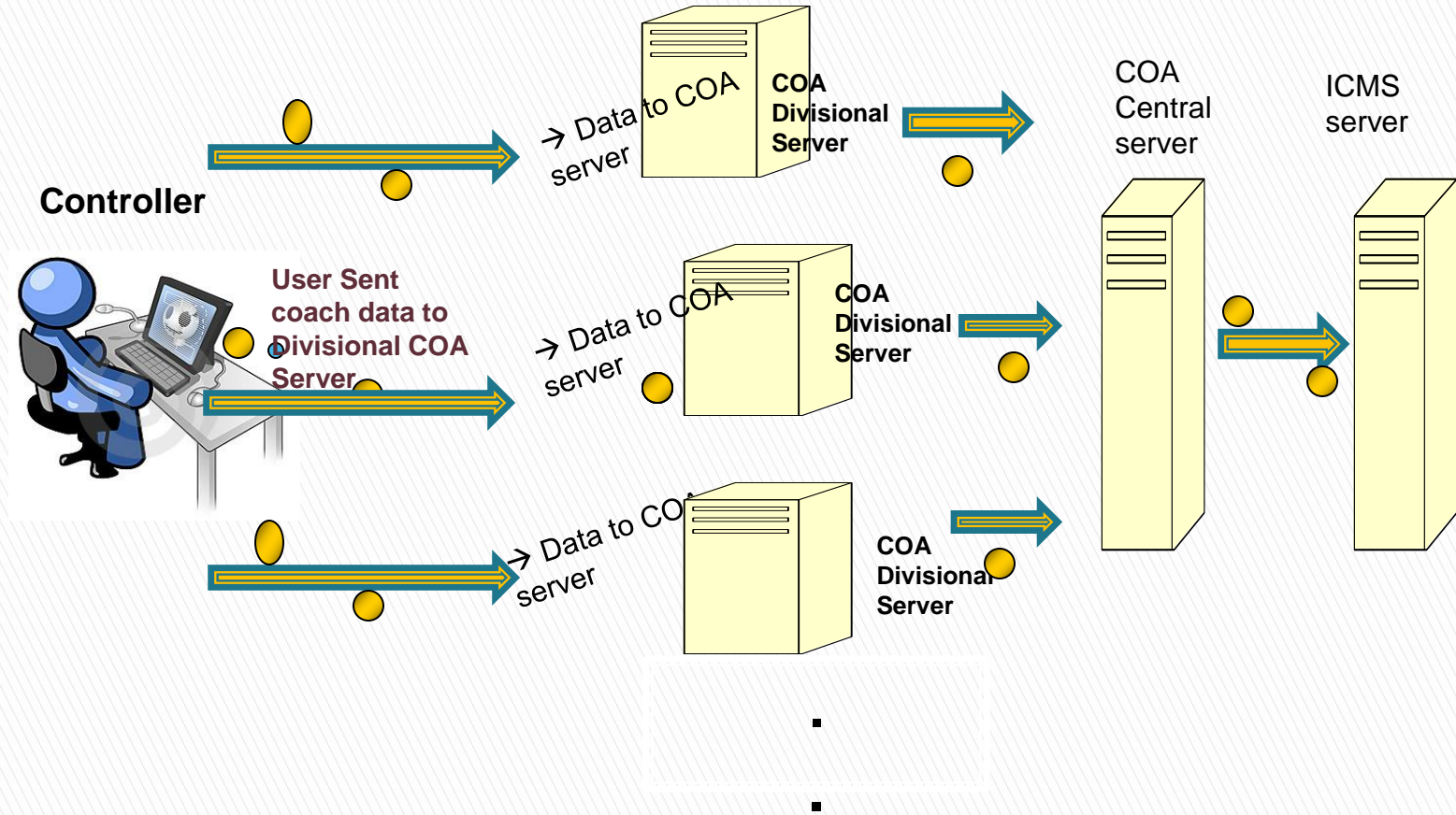
DATA– Data Entry Module

- ▶ 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.
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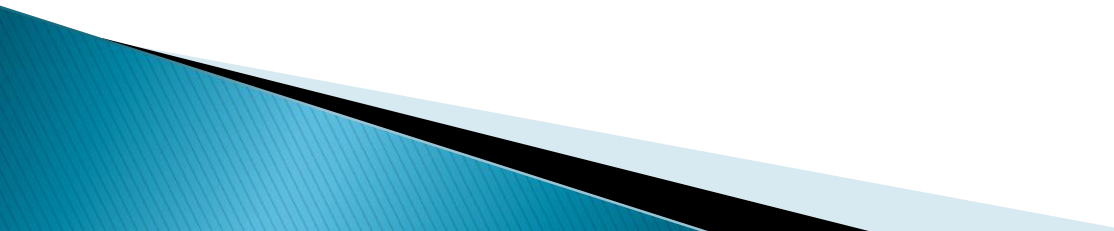
Punctuality Analysis And Monitoring (PAM)

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

COA to PAM Data Flow



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.
- 

PAM



Home

Interchange

Detention

Settings

Reports

Proxy

Logout Proxy

Logout

DIVISIONAL ACTIVITY

View Full Train Running

1. Select Train Number:

Select ▼

2. Select Start Date:

▼

3. Click To View

Display

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.

Login Information

User Id: ASHUXP
Location: DLI (DLI) (NR)
User Type: DIVISIONAL
IP Address: 203.176.113.117

Links

Display Board
Due Detention
IC Station List
IC Station Master List
Trains Having Wrong IC Station
Train Schedule
MT Position [NLT]
MT Position [RT Ter.]
Train Running Position
Monitored Trains List
Cause Code Description

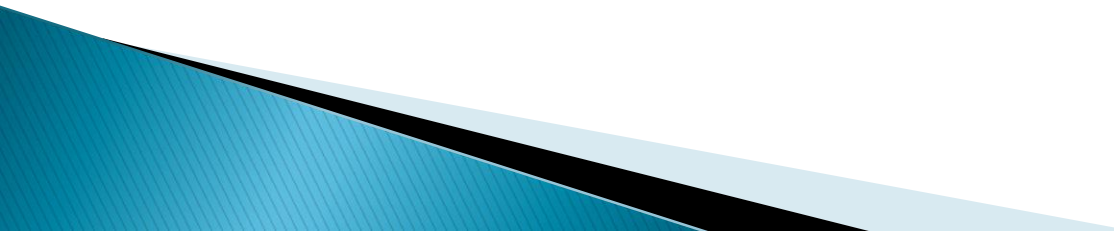
Utility

Exceptional Reporting
Mark Wrong Reporting
Exceptional Details
COA-ICMS Mismatches
Manual Interchange Reporting List
Mark Major Station

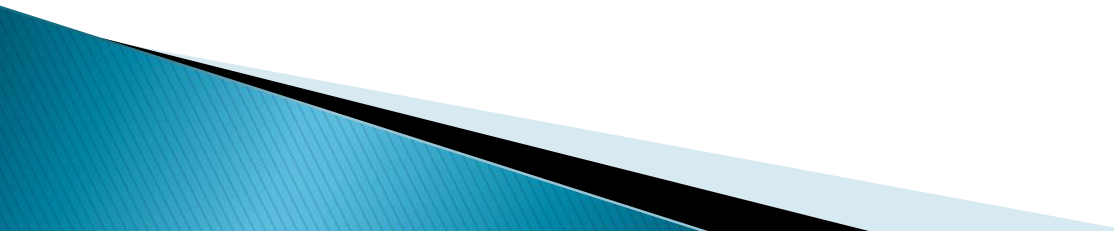
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COIS– Coaching Operations Information System

- ▶ Centralized Web based application for Coaching Stock management.
 - Rake operations.
 - Coach Operations.
 - Loco operations in passenger service.
 - Shop operations.
 - Sick operations.
 - Coach Census
- 

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
- 

NTES

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(<http://enquiry.indianrail.gov.in>) and Mobile Apps
- Indian Railway Enquiry Call Centres (139)

NTES

The image displays the National Train Enquiry System (NTES) interface across multiple devices. At the top, the NTES logo and the Indian Railways emblem are visible, along with the text "National Train Enquiry System". A red banner below the header states: "Train Running Updates will not be available on 10-Sep-2014 between 10:00 hrs to 13:00 hrs due to maintenance activity. Inconvenience is deeply regrette".

The main website interface includes a navigation bar with tabs: "Spot Your Train", "Live Station", "Train Between Stations", "Train schedule", "Trains Cancelled", "Rescheduled", and "Diverted". The "Spot Your Train" section is active, showing a search for train number "12903" (GOLDEN TEMPLE MAIL) from BCT to ASR on 10/09/2014. The status is "Yet to arrive" and the current position is "On Run".

On the left side of the website, there are links for "Special trains", "Android App (Beta)", "Windows 8 App Available", and "Windows Phone 8 App".

Two tablets and one smartphone are shown displaying the NTES mobile application. The smartphone screen shows a menu with the following options: "Spot Your Train", "Live Station", "Train Schedule", "Trains Between Stations", "Cancelled Trains", "Rescheduled Trains", and "Diverted Trains". The tablet screens show the same application interface, including the search bar and navigation options.

Thank you

