Moving Off Information Systems (MOIS)

By IASToppers | 2023-12-16 15:40:00

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Technical committees of the Government recently formulated a standard for **Moving Off Information Systems (MOIS)** for vehicles.

[Ref- New Indian Express]

About Moving Off Information Systems (MOIS):

- MOIS is an **advanced driver assistance system** to aid drivers in low-speed moving off from rest manoeuvres to **prevent collisions.**
- It may involve collisions between different category vehicles and **vulnerable road users** (pedestrians and cyclists).
- The system detects and informs the driver citing the presence of by-goers in proximity forward **blind spot of the vehicle.**
- Central Motor Vehicle Rules-Technical Standing Committee (**CMVR-TSC**) and Automotive Industry Standards Committee (**AISC**) formulated the standards of MOIS in India.
- **Specific vehicle categories include:**
    - **M2**: A motor vehicle used for carriage of passengers, having nine or more seats and a driver's seat with maximum **Gross Vehicle Weight (GVW)** of five tonnes.
    - **M3:** A motor vehicle for passengers, comprising nine or more seats and a driver's seat with a GVW exceeding five tonnes.
    - **N2:** Motor vehicle used for carriage of goods and a GVW between 3.5-12 tonnes.
    - **N3:** Motor vehicle used for carriage of goods and a GVW exceeding 12 tonnes.
- The **Motor Vehicles Act, 1988** and **Central Motor Vehicle Rules, 1989** prescribes heightened penalties for traffic rule violations, emphasizing road safety.
- Its enforcement falls within the jurisdiction of respective **State Governments and UT administrations.**
- The **National Highways Authority of India (NHAI)** has introduced a **Computer Aided Dispatch System** to assist call centre operators in locating the nearest available on-road units (ambulance/crane/patrol unit).
    - **NHAI** is responsible for the development, maintenance and management of National Highways in India under **Ministry of Road Transport and Highways (MoRTH).**
- The NHAI **ERS Mobile Application** facilitates the swift relay of dispatch-related information to on-road units, enhancing emergency response times.