

Integrated Network Operations

Issues - challenges

Levels of service

Economic performance

Increasing demand

Rising public expectations

Safe, reliable journeys

Standards & procurement

International road traffic

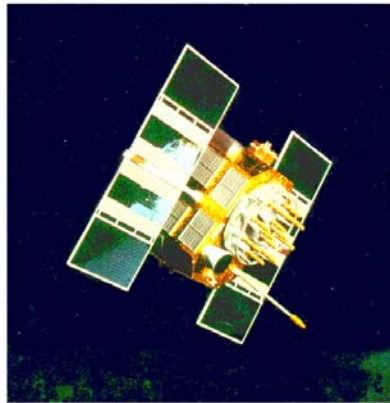
Inter-modal connections

Air quality and
environmental impact



Future developments

Global Navigation Satellite Systems (GPS - Galileo)



GPS Nominal Constellation
24 Satellites in 6 Orbital Planes
4 Satellites in each Plane
20,200 km Altitudes, 55 Degree Inclination





“A request to each of you...

...in the spirit of mutual learning, the PIARC Committee would encourage readers with interest and experience in countries in transition and developing countries to offer additional lessons, both positive and negative that they would like to see included in any future revision of the handbook.”



Thank you for your participation!

John Miles

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