data4pt

List of SIRI Services

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List of SIRI services

Stop Monitoring | Stop Timetable | Production Timetable | Estimated Timetable | Vehicle Monitoring | Connection Timetable | Connection Monitoring | General message | Facility Monitoring | Situation Exchange

SIRI communication layer
(XML-PubSub-Soap…)
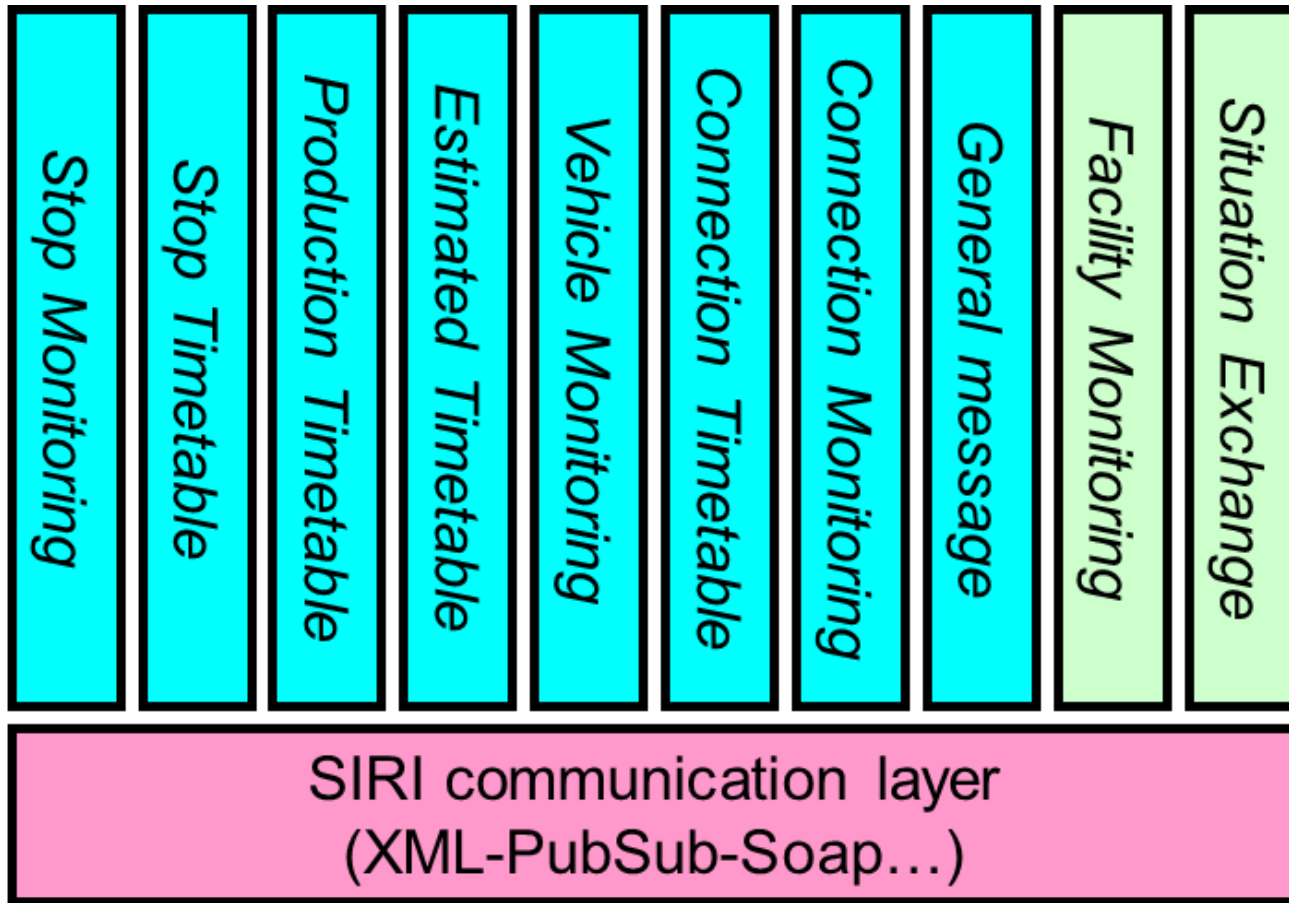
Control Action may be soon added as a new service

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SIRI Services

- Production Timetable Service

  - Updating of "published" scheduled timetables

  - Updating journeys and routes

  - Applicable for a given day of operation

  - Line-centric service

- Estimated Timetable Service

  - Estimated passing times and status during the journey

  - Updating journeys status and routes

  - Line-centric service (from 1 ligne to the full network)

SIRI Services

■ Stop Timetable Service
  - Passing times and calls at stop (scheduled and updated)
  - Stop centric
  - Rarely used

■ Stop Monitoring Service
  - Passing times and calls at stop (estimated, during the course of the journey)
  - Stop centric

■ Vehicle Monitoring Service
  - Location and status of a vehicle across several journeys
  - Vehicle centric (a sing le vehicle can be used on several lines, have dead runs, etc.)

SIRI Services

- Connection Timetable Service

  - Updating connection (Interchange) information (update of the planed information, before the journey run)

- Connection Monitoring Service

  - Updating connection (Interchange) management during operation

- General Messaging Service

  - "Generic" messaging (purely textual)

  - User extendable to connec a textual message to network element

  - Design to carry the information messages you can see on displays

SIRI Services

- Facility Monitoring

  - Information on the status of equipment and services

  - Initially focus on accessibility and specific needs, but designed in a generic way

  - Recently extended for new modes (availability of parking places or vehicle for vehicle sharing for example)

- Situation Exchange

  - Improved General Message Service: cause / consequence / publication / event life cycle, etc.

  - Structured incident model and detailed description of consequences

  - Based on TPEG, DATEX & TransModel

SIRI Services

■ The work on a new Control Action service has just started

- Vehicle replacement / change / cancellation

- Spacing and passing time updates

- Journey creation, cancellation and change

- Route changes

- The blocking of use of stops

- Etc.

Thank you for your attention