DXC.technology

ICS –
Intermodal Connection System
Scalable Software Solutions for Public Transportion

Intermodal Connection Assurance and Passenger Information

In population centers around large cities and industrial centers, traffic systems from different operators form the public transportation network. An essential ingredient for attracttiveness and consumer acceptance of an intermodal service is a comprehensive system that ensures accurate information, seamless mobility and a connection guarantee between individual traffic systems.

The consolidation of accurate and relevant connection and passenger information from individual operators to a single platform enables improved efficiencies and quality of service for operators and passengers.

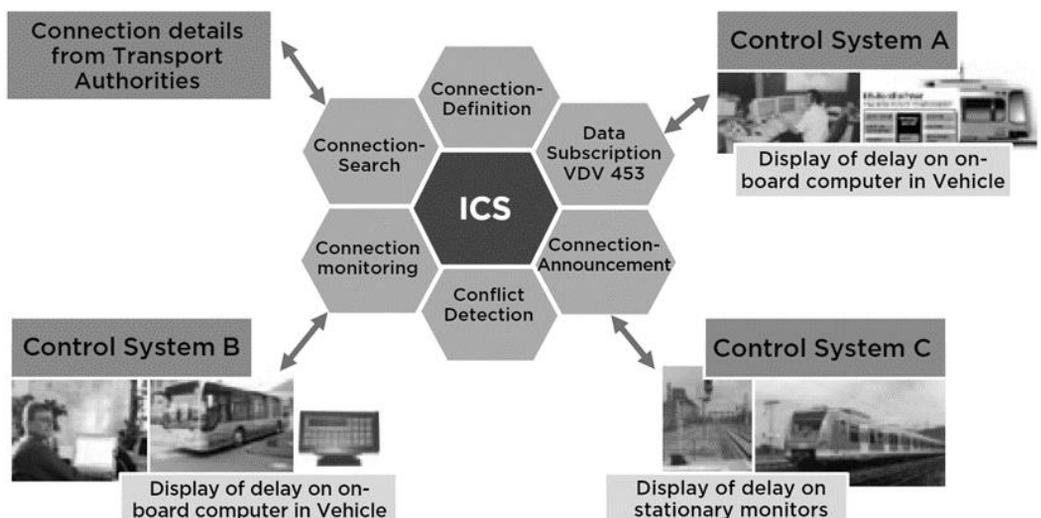## Functionality and Characteristics

Functionality

DXC Technology's Intermodal Connection System (ICS) is a software application that aggregates current traffic information from different operators and acts as a neutral platform to provide services such as:

- Data exchange with systems of individual transportation operators

- Definition of connections and search for connections

- Connection supervision

- Information on connection options and alternatives to the inbound transportation operators

The ICS platform allows the specification of parameters, such as acceptable delay times, for determining appropriate connections.

Characteristics

Utilizing interface standard VDV 453, our comprehensive platform enables the exchange of data with other information systems.

Connection details from Transport Authorities

Connection-Definition

Connection-Search

Data Subscription VDV 453

ICS

Connection monitoring

Conflict Detection

Connection-Announcement

Control System A

Display of delay on on-board computer in Vehicle

Control System B

Display of delay on on-board computer in Vehicle

Control System C

Display of delay on stationary monitors

ICS – Intermodal Connection System

About DXC Technology

DXC Technology helps clients harness the power of innovation to thrive on change. For more than 60 years, we have successfully guided the world's largest enterprises and government agencies through successful change cycles.

We take pride in our technology independence and our role as a trusted advisor. Our deep experience gives us a clear and confident vision to help clients navigate the future.

As the world's leading independent, end-to- end IT services company, we are uniquely positioned to lead digital transformations — creating greater value for clients, partners and shareholders, and presenting growth opportunities for our people. We are among the world's best corporate citizens.
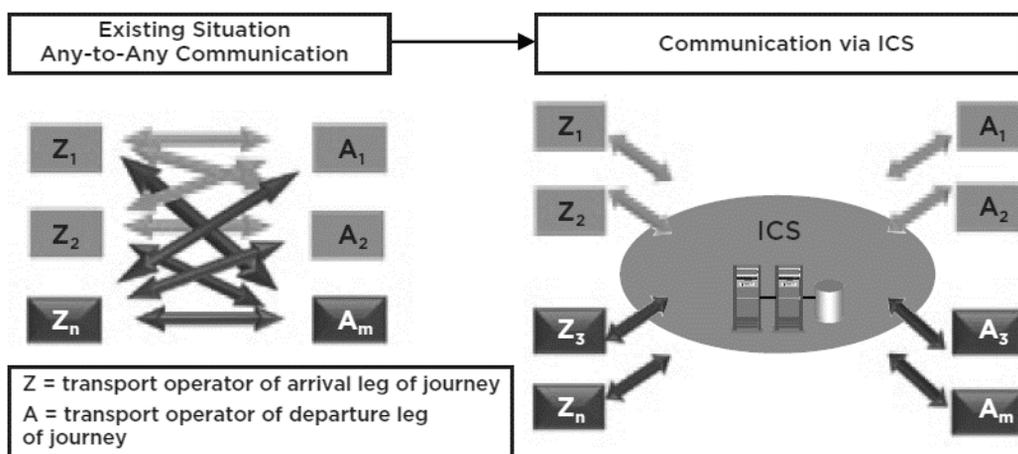
We have 170,000 employees in more than 70 countries, serving some 6,000 clients. We tap into global talent, powerful next-generation IT solutions and extensive partner relationships to help clients transform digitally and seize opportunities.

Our extensive partner network helps us drive collaboration and leverage technology independence. We have established more than 250 industry-leading global Partner Network relationships, including 14 strategic partners: Amazon Web Services, AT&T, Dell/EMC, HCL, HPE, HP, IBM, Lenovo, Micro Focus, Microsoft, Oracle, PwC, SAP and ServiceNow.

Intermodal Connection System manipulates timetable data and real-time data in an intelligent way. Multi-client capability can be reached by using several instances of ICS.

Independence from proprietary operating and database systems improves compatibility with, and integration into the different IT system environments of customers.

Z = transport operator of arrival leg of journey
A = transport operator of departure leg of journey

Assurance of Connections

In order to offer seamless mobility for passengers, traffic systems of different operators serving the same population center have to be coordinated. This first part of solving this requirement is a coordinated schedule which takes interconnections into account. However, the actual accomplishment of the traffic movements represented in the schedule can be subject to incidents, delays and other changes. These are taken into consideration by ICS monitoring the actual traffic movements. Lastly, ICS manages the buffer time between interconnections to a realistic minimum allowing savings of energy and cost.

DXC Technology Experience

Our proven success in transforming mass transit operations is based on solid experience and solutions expertise.

Addressing the growing importance of public transportation worldwide, we develop industry specific solutions for mass transit and provide consulting, systems integration and IT-enabled business solutions tailored to the unique needs of our many customers.

We serve our Transportation customers with specific IT solutions and services such as:

- Consulting Services
- Dispositions and information systems for the rail freight traffic
- Operations Control Systems for regional passenger train and mass transit operators
- Accounting Systems
- Information and Communications Platforms
- Simulation
- Introduction and integration of IT standard software
- Project Management
- IT Operations
- Managed Hosting
- Outsourcing