

PASSENGER INFORMATION: NEW EXCEL TOOL IBIS-IP CIS BRINGING ORDER TO THE SYSTEM

Rastatt, April 2021. Luminator is developing a new customer information (CIS) tool as part of the VDV’s IBIS-IP project, thus contributing significantly to the simplification of communication services in public transport.

The control of passenger information systems via Internet protocol (IP)-based communication services offers real added value to developers, operators and passengers. The higher bandwidth enables the transmission of larger data volumes, display of connection and interchange information, and reporting of possible disruptions on the line. The main challenge lies in the detailed use an interpretation of the different data streams. In 2019 a VDV body consisting of transit undertakings and manufacturers of onboard computers was thus formed at the request of the Luminator Technology Group. It assigns all CIS-IP elements and data types to a recommended application, and defines and documents the respective operations.

Assignment by recommendation

The new Excel tool now facilitates coordination between onboard computer and display suppliers and operators. It includes a simply and clearly structured recommendation for use of IBIS-IP customer information service. Besides an overview of the various operations in the CIS, a description in English and German is provided for each element. The latter specifies the data type, including a version history and recommendation for use, including an example.

Three versions have hitherto been documented and published by IBIS-IP-CIS. The documents are readily accessible on the VDV website at: <https://www.vdv.de/ip-kom-oev.aspx>.

Caption:

The new IBIS-IP CIS tool assigns all CIS-IP elements and data types to a recommended application.

728 Destination		Departure	1/2
Line	Destination		State
270	Destination 1	4 Min	✓
100	Destination 2	7 Min	
S8	Destination 3	11 Min	✗
RE123	Destination 4	11:05	
LUMINATOR Stop		10:53	

Annotations in the image:

- Fix text (points to the title '728 Destination')
- TripInfo-StopSequence-StopPoint-Connection-DisplayContent-LineInformation-LineShortName (points to the 'Line' column)
- TripInfo-StopSequence-StopPoint-Connection-ConnectionState (points to the 'State' column)
- TripInfo-StopSequence-StopPoint-Connection-Destination-DestinationName (points to the 'Destination' column)
- TripInfo-StopSequence-StopPoint-Connection-ScheduledDepartureTime (points to the 'Departure' column)
- TripInfo-StopSequence-StopPoint-Connection-ExpectedDepartureTime (points to the '10:53' value)

Publication free of charge – specimen copy requested

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About Luminator Technology Group

The Luminator Technology Group (Luminator) is one of the world's leading manufacturers of digital information systems, video security systems and lighting solutions for public transportation by bus, rail and air. In addition to the world's largest vehicle manufacturers, our customers also include transport undertakings and municipal operators of all sizes, from remote villages to the world's biggest metropolitan areas. The company was founded in 1928 and has its head office at Plano in Texas, USA. Over 1,000 employees in our facilities in Germany, Switzerland, Sweden, Poland, Canada, USA, Brazil and Australia attend to customers in more than 85 countries throughout the world. Our solutions help operators to cope with the increasingly networked information technology and to cater for their growing information and security needs.