Multitel

Railway Certification

The Railway Certification department of Multitel is specialized in ERTMS testing solutions. It gives support to the certification, provides performance and reliability test solutions to railway industry and offers maintenance solutions, train/track validation and validation support of ERTMS deployment to railway infrastructure managers.

The « EPG » is able to program telegrams in balises and read them after balise programming. EPG is managed by a web application. Our system could be delivered with a new mission preparation tool to help user to complete offline mission preparation (telegrams definition and balises identification).

Mission is downloaded in EPG. You are ready to start for mission, for each balise : A very simple process !

- **Put , Click, Done !**

    Put...   - The EPG on the balise.

    Click... - Use your Web application to choose your telegram Click, execute.

    Done! - The system automatically read the new embedded program, check it, confirm it to user and record it.
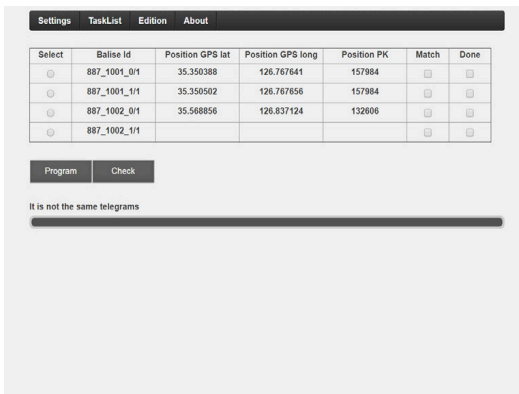
Functionalities

EPG is delivered with a laptop where access to web application is configured. Web application is also accessible by any tablets, laptop, smartphone, ….

Optionally, you could use mission preparation tool to help user to define telegrams, on laboratory, using friendly drag and drop action. The application allows to create mission (telegrams and balises association). You can charge your mission on EPG, by USB key or by WIFI connection with EPG.

Telegrams tests from SUBSET-085 are preinstalled on the EPG. New telegrams and mission must be downloaded from laboratory via USB key or WIFI connection.

On site, user selects telegram, EPG programs it and read balise after programming. Results are displayed. Date,results, telegrams and Balise ID are recorded in database. Database could be consulted directly on EPG or by mission application.

Technical specifications

EPG Model	EBT-EPG-V1.0
Preparation Mission tool	EBT-MEPG-V1.0
Balise Programming Delay	< 1 minute
Autonomy	> 200 balises programming
Charging Time	< 4 hours
Connectivity	WiFi 802.11.b/g/n
Distance Laptop/EPG	< 50 m
Telepowering Frequency	27,095 MHz
Programming Frequency	9 MHz
Uplink Frequencies	4,237 MHz ± 200 kHz
Weight	< 10 kg
Size	200x 500x 400 mm
Temperature	-20˚C; +60˚C
External Power Supply	220V/230V, 50Hz/60 Hz

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