
Subject: [railML3] Functional type parameter for the balise group element

Posted by [Davide Venturucci](#) on Thu, 07 May 2020 16:10:35 GMT

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Dear all,

in the last discussion in the railML ETCS group is been proposed to add a "functional type" to the balise group element.

The main functional types that could be added are described in detail below:

- NetworkRegistration: the balise is used to transmit connection information to the mobile network (Subset 026 P45 Radio Network registration)
- Connection: the balise is used to transmit connection information to an RBC (Subset 026 P42 Session Management)
- Announcement: the balise is used to announce a level transition to a train (Subset 026 P41 or P46 Level Transition Order or Conditional Level Transition Order). Could be also used to transmit Subset 026 P90 Track Ahead Free up to level 2/3 transition location.
- Border: the balise is used to order a level transition to a train (Subset 026 P41 or P46 Level Transition Order or Conditional Level Transition Order)
- Handover: the balise is used to trigger a connection with a neighboring RBC (Subset 026 P131 RBC transition order)
- Normal: the balise is used in all the other context.

What does the community think about this proposal? Is there any suggestion or change proposal on functional types?

Best regards,
Davide
