sd: User Story 7 - Running in Level NTC and Mode SN

Eurobalise	OBU	RBC	DMI

Eurobalise → OBU: Packet 45 (Radio Network Registration)

Train is passing Eurobalise for Session Management

Eurobalise → OBU: Packet 42 (Session)

Establishement of RBC Session

OBU → RBC: Message 155 (Initiation of communication session)

RBC → OBU: Message 32 (Configuration Determination)

RBC Session is Established

OBU → RBC: Message 159 (Session Established) + Packet 3 (Onboard Telephone Numbers)

Validation of Train Data

OBU → RBC: Message 129 (Validated Train Data) + Packet 0 (Pos Report) + Packet 11 (Validated Train Data)

RBC → OBU: Message 8 (Ack of Train Data) (Ack = 1)

OBU → RBC: Message 146 (Acknowledgement)

RBC → OBU: Message 24 (General Message) + Packet 57 (Movement Authority Parameter) + Packet 58 (Position Report Parameter) (Ack = 1)

Position Report and Movmement Authority Parameter

OBU → RBC: Message 146 (Acknowledgement)

OBU → RBC: Message 136 (Train Position Report) + Package 0 (Pos Report)

Position Report and General Message

RBC → OBU: Message 24 (General Message)

Eurobalise → OBU: Packet 42 (Session)

Last Session + National Values + Conditional Level Transition Order in Nominal and Reverse

Eurobalise → OBU: Packet 3 (National Values)

Eurobalise → OBU: Packet 46 (Conditional Level Transition) (Nominal)

Eurobalise → OBU: Package 46 (Conditional Level Transition) (Reverse)

RBC → OBU: Message 3 (Movement Authority) (Ack = 1) + Packet 15 (L2/3 Movement Authority) + Packet 21 (Gradient Profile) + Packet 27 (Static Speed Profile) + Packet 3 (National Values) + Packet 5 (Linking Info) + Packet 41 (Level Transition)

Receiving and Acknowledgement of Movement Authority

OBU → RBC: Message 146 (Acknowledgement)

OBU → DMI: Text: Ack Level 2

DMI → OBU: Ack of Level 2

Continue with User Story 8

DMI → OBU: Ack of Fixed Text Message

OBU → OBU: Message