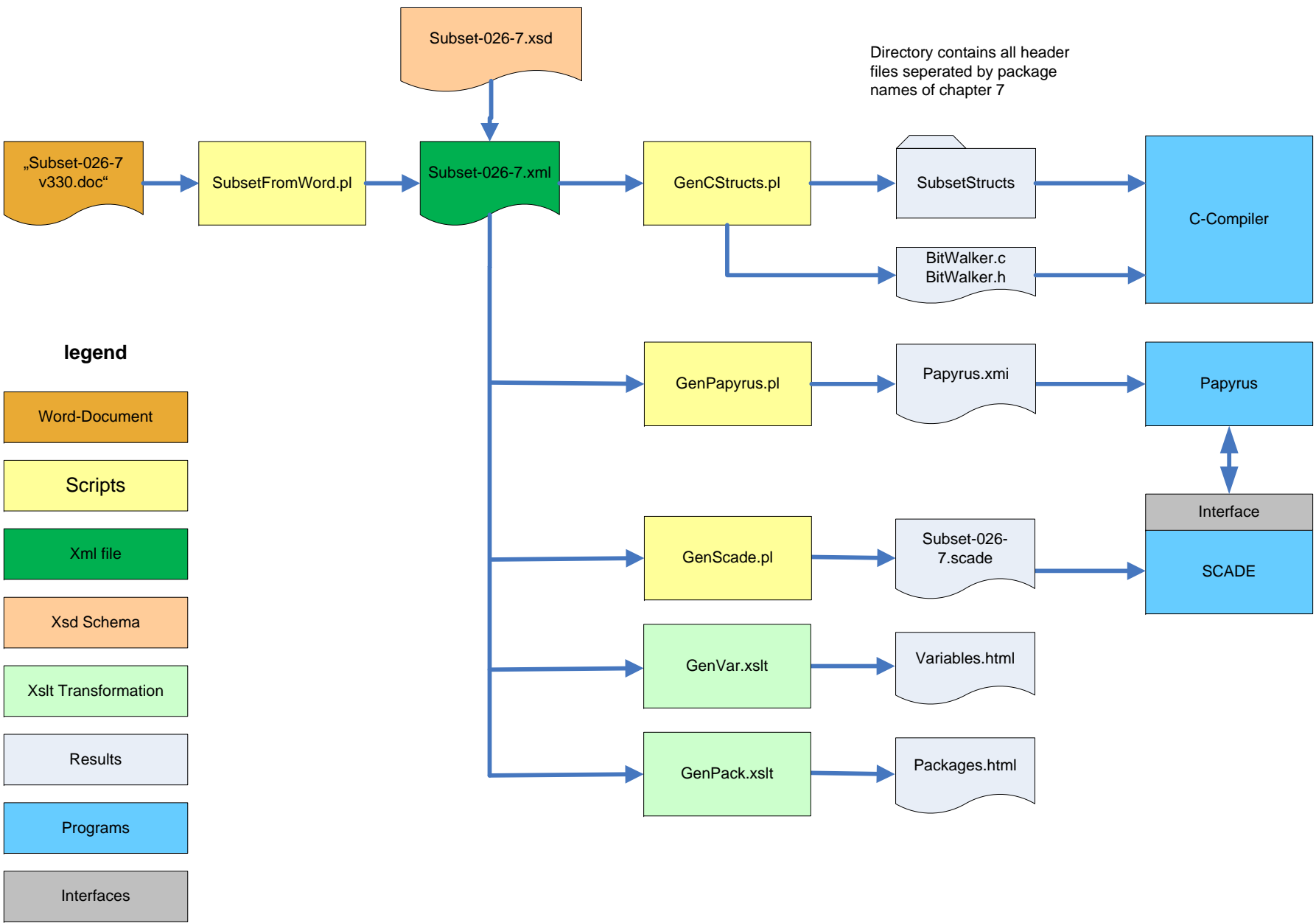
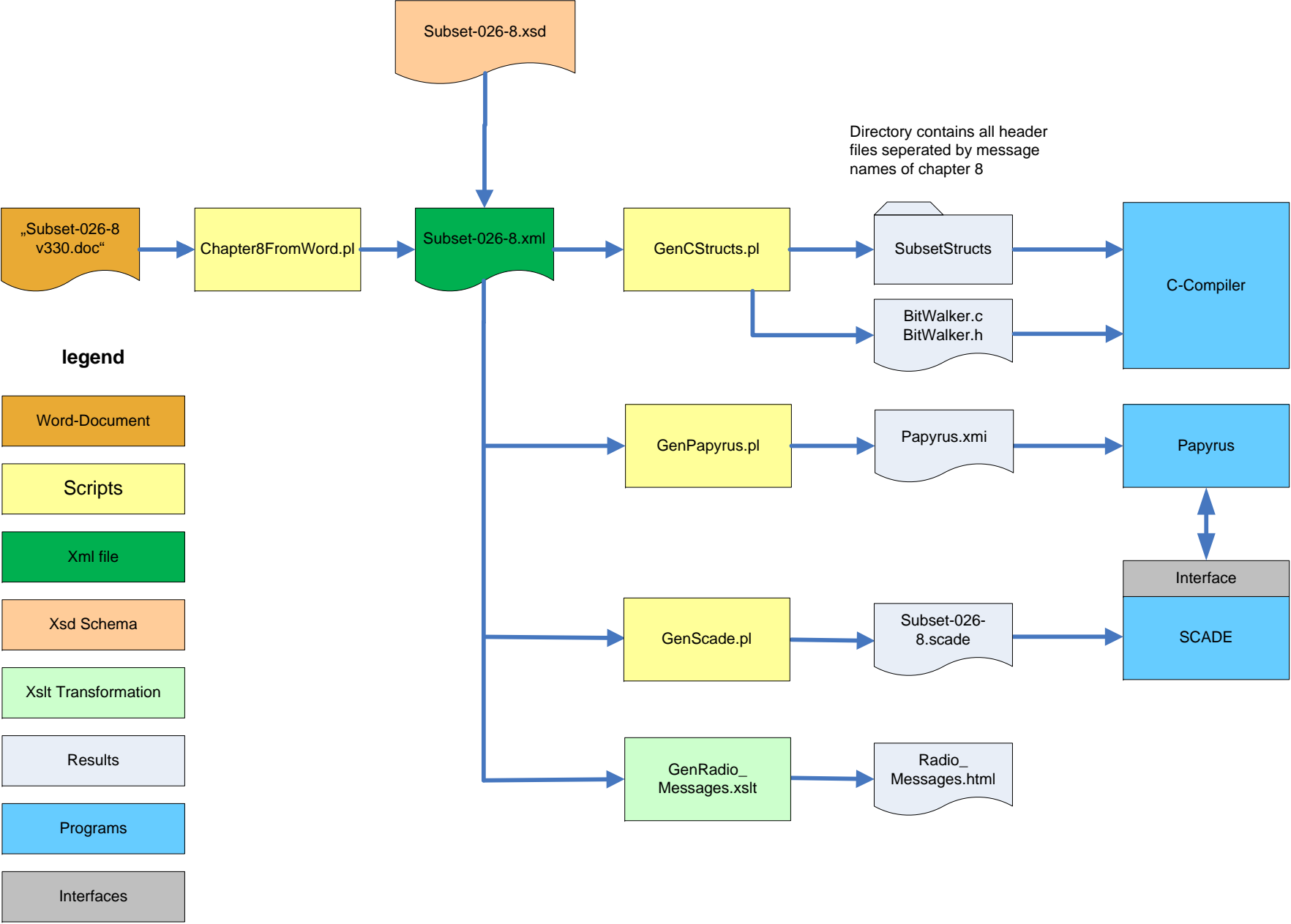


Actions related to Subset 026 Chapter 7
Definitions of Packets and Variables



**Actions related to subset 026 Chapter 8
Radio Messages**



SUBSET-026-7
Packet Decoder

TrackToTrain
Distinction of cases

```
PackID = (int) Bitwalker_Peek(FirstBitPos, 8, Stream, 3);

Dir      = (int) Bitwalker_Peek(FirstBitPos+8, 2, Stream, 3);

BitLen   = (int) Bitwalker_Peek(FirstBitPos+10, 13, Stream, 3);

ByteLength = Bitlen / 8 + 1 ;

FirstBitPos = 0;

ArrayIndex = 0;

Switch(PackID)
{
Case 0:
    FirstBitPos = TrackToTrain_Virtual_Balise_Cover_marker (&Stream, FirstBitPos, ByteLength, ArrayIndex,
    &DATA_oETCS_TrackToTrain_Virtual_Balise_Cover_marker);
    break;

Case 2:
    FirstBitPos = TrackToTrain_System_Version_order (&Stream, FirstBitPos, ByteLength, ArrayIndex,
    &DATA_oETCS_TrackToTrain_System_Version_order);
    break;

Case 3:
    FirstBitPos= TrackToTrain_National_Values(&Stream, FirstBitPos, ByteLength, ArrayIndex,
    &DATA_oETCS_TrackToTrain_National_Values);
    break;

.....

Case 254:
    FirstBitPos = TrackToTrain_Default_balise_or_Loop_or_RIU_information (&Stream, FirstBitPos, ByteLength, ArrayIndex,
    &DATA_oETCS_TrackToTrain_Default_balise_or_Loop_or_RIU_information);
    break;

Default:
    ErrorMessage;
    break;
}
```

Raw Package Header as bit stream

Name="NID_PACKET" Length="8" ,

Name="Q_DIR" Length="2" ,

Name="L_PACKET" Length="13" ,

.....

SUBSET-026-8
Message Decoder

TrackToTrain
Distinction of cases

```
MessageID = (int) Bitwalker_Peek(FirstBitPos, 8, Stream, 3);

BitLen = (int) Bitwalker_Peek(FirstBitPos+8, 10, Stream, 3);

ByteLength = Bitlen / 8 + 1 ;

FirstBitPos = 0;

ArrayIndex = 0;

Switch(MessageID)
{
    Case 2:
        FirstBitPos = Radio_TrackToTrain_SR_Authorisation (&Stream, FirstBitPos, ByteLength, ArrayIndex,
        &DATA_oETCS_Radio_TrackToTrain_SR_Authorisation);
        while (FirstBitPos < Bitlen) { // for all optional Packets of chapter 7
            FirstBitPos = Ch7_Decoder(FirstBitPos, &Stream);
        };
        break;

    Case 3:
        FirstBitPos = Radio_TrackToTrain_Movement_Authority (&Stream, FirstBitPos, ByteLength, ArrayIndex,
        &DATA_oETCS_Radio_TrackToTrain_Movement_Authority);
        while (FirstBitPos < Bitlen) { // for all optional Packets of chapter 7
            FirstBitPos = Ch7_Decoder(FirstBitPos, &Stream);
        };
        break;

    Case 6:
        FirstBitPos = Radio_TrackToTrain_Recognition_of_exit_from_TRIP_mode(&Stream, FirstBitPos, ByteLength, ArrayIndex,
        &DATA_oETCS_Radio_TrackToTrain_Recognition_of_exit_from_TRIP_mode);
        break;    // NO optional Packets

    .....

    Case 45:
        FirstBitPos = Radio_TrackToTrain_Assignment_of_coordinate_system (&Stream, FirstBitPos, ByteLength, ArrayIndex,
        &DATA_oETCS_Radio_TrackToTrain_Assignment_of_coordinate_system);
        break;    // NO optional Packets

    Default:
        ErrorMessage;
        break;
}
```

Raw Message Header as bit stream

Name="NID_MESSAGE" Length="8" ,
Name="L_MESSAGE" Length="10" ,
.....