The following presentation provides an overview of how PNRGOV EDIFACT messages may be constructed in regards to the order in which segments may be populated in the message.

It is to be noted that the presentation includes all groups and their segments. In reality, supported data items will vary between different reservation systems & therefore the PNRGOV messaging will vary in content and the nested ordering. It is likely that each individual message will not include all the groups and segments that the PNRGOV EDIFACT message format supports.

For example, where check-in has not commenced, Group 6 and 7 would not normally be supplied, but the groups following Group 6 (G8 –G12 and LTS) may be included.

To improve readability on slides 2 & 3, where the PNRGOV EDIFACT Imp guide shows Groups referenced in the format of “GR.1”, “GR 1”, “GR.2” or “GR 2” etc, these Group references have been converted to read “G1”, “G2” etc.

The presentation is best ran as a slide show.
PNRGOV EDIFACT Message flow - 24th January 2017

Headers occur only once for a PNRGOV EDIFACT message

G199 only occurs once for a PNR, then moves on to a circular (repeating as required) G2-G3-G4

G2999-G3999-G41 repeats for each passenger on the same PNR

When a G2 is complete, the message can move on to circular (repeating as required) G3-G4, or can go back to another G2 or G3 passenger

G3-G4 repeats for each ticket associated to each passenger on the same PNR

When a G3 is complete, the message can move on to single G4 or can go back to another G2 or G3.

When a G4 is complete, the message can move on to circular G5-G6-G7 or can go back to another G2 or G3.

When all the G2-G4’s are complete on the PNR, the message moves on to a circular G5-G6-G7

G5999-G6999-G7999 repeats for each flight segment on the PNR

When a G5 is complete, the message can move on to circular (repeating as required) G6-G7, or can go back to another G5

G6 (& G7) repeats for each check-in for each flight in the itinerary

When a G6 is complete, the message can move on to G7, or can go back to another G5.

When G7 is complete, the message can go back to another G5 or G6 or moves on to a circular G8

When the G8999 is complete, it moves on to circular G9

When the G999 is complete, History may be populated in either or both of a circular G10-G11-G12 and or through utilising LTS

G109999-G11999-G122 repeats for each occurrence with a different history credit

When a G10 is complete, the message can move on to circular (repeating as required) G11-G12, or can go back to another G10

G11-G12 can repeat for the same history credit

G12 can repeat (twice) for the same history flight/non-air information

When the G10-G11-G12 is complete for the history credit, the message can go back to another G10-G11-G12 or a new PNR at G1

Where LTS9999 is used for History and is complete, go back to a new PNR at G1

When all PNRs are complete, add the footers

Footers occur only once for a PNRGOV EDIFACT message
The UNB and UNZ, UNG and UNE, and UNH and UNT work as pairs, header and trailer respectively. The UNG/UNE pair is optional.