

## SDS SeatMap Queries/Questions

PNR: JVNSTW

The following PNR has been created with two segments, an American Airlines business class segment and a BA economy class segment.

1.1RUBBLE/BARNEY

1 AA 115J 12JUL 1 LHRJFK HK1 0755 1020 /DCAA\*JVNSTW /E

2 ARNK

3 BA 117Y 12JUL 1 LHRJFK HK1 0845 1125 /DCBA\*Z8QZ9W /E

TKT/TIME LIMIT

1.T-

PHONES

1.LON0202020202-HELLO

CUSTOMER NUMBER - 1234567890

RECEIVED FROM - P

M9J2.LRQ\*HNN 0844/17NOV03 JVNSTW H

The first query is on segment number1 (AA115). When I ask for a seatmap in standard native Sabre (format 4G1\*), I get the following response:

```
AUTH- 35 777
0 - LHR 1 - JFK
NO SMOKING FLIGHT
    LAV  LAV
    PAL
    A B  D E G  H J
    BHD BHD  BHD BHD BHD  BHD BHD
    9 * *  * * *  * * 9
W10 * *  * * *  * * 10W
W11 * *  * * *  * * 11W
W12 * *  * * *  * * 12W
W13 * *  * * *  * * 13W
    A B  D E G  H J
```

```
AVAIL NO SMK: *  BLOCK : / LEAST PREF: U  BULKHEAD: BHD
AVAIL SMKING: -  PREMIUM: Q UPPER DECK: J  EXIT ROW: X
SEAT TAKEN : .  WING: W  LAVATORY: LAV  GALLEY: GAL
PREF ACCESS LAV: PAL DOOR: DOR  SCREEN: SCR  CLOSET: CLS
PREF ACCESS : H  BASSINET: B  UMR: M  REARFACE: ☒
```

This is fine, however when I ask for the same seat map in SDS, I only ever get information back for row 9, and even then I don't get back any seat occupancy codes (element ROD002 0067). The response is as follows:

```
00100616AIRAALSMPRES00†02‰WAD000†0†1†0062†‰SRP001†0†††††N^††††  
‰TVL000†0†120704†††††LHR†JFK^AA^0115†J††^‰EQI000†1†C†035‰EQI001  
†1†777‰CBD001†1†C†††††009†013^M†^F†010†013^‰CBD002†2†A†W^‰CBD002†  
2†B†A^‰CBD002†2†D†A^‰CBD002†2†E†^‰CBD002†2†G†A^‰CBD002†2†H†A^  
‰CBD002†2†J†W^‰ROD001†1†009†^‰ROD002†2†A††B^‰ROD002†2†B††B^‰R  
OD002†2†D††B^‰ROD002†2†E††B^‰ROD002†2†G††B^‰ROD002†2†H††B^‰RO  
D002†2†J††B^‰CBF000†2†F‰CBF001†3†LA†C‰CBF001†3†LA†C‰CBF000†2†F  
‰CBF001†3†PL†L‰CBF000†2†F‰CBF001†3†BK†L‰CBF001†3†BK†L‰CBF001  
†3†BK†C‰CBF001†3†BK†C‰CBF001†3†BK†C‰CBF001†3†BK†R‰CBF001†3†B  
K†R‰‰
```

Answer: Rows are excluded if all seats match the seat occupation default and there are no additional seat characteristics that need to be displayed. In this case, all seats in all rows match the "F" or Free seat occupation, but row 9 has "bulkhead" seat characteristics that need to be displayed. The rule is: assume that all seats within the Cabin Class Seat Row Range (elements 005F) exist unless otherwise noted. If any row and/or seat is missing within the Cabin Class Seat Row Range, assume that it is the default seat occupation with no additional seat characteristics.

|----- Element 00AB, seat occupation default  
|  
V

```
CBD001†1†C†††††009†013^M†^F†010†013^‰  
  CBD002†2†A†W^‰  
  CBD002†2†B†A^‰  
  CBD002†2†D†A^‰  
  CBD002†2†E†^‰  
  CBD002†2†G†A^‰  
  CBD002†2†H†A^‰  
  CBD002†2†J†W^‰  
ROD001†1†009†^‰  
  ROD002†2†A††B^‰ < -- Element 005A, seat characteristic, is "B" for bulkhead  
  ROD002†2†B††B^‰  
  ROD002†2†D††B^‰  
  ROD002†2†E††B^‰  
  ROD002†2†G††B^‰  
  ROD002†2†H††B^‰  
  ROD002†2†J††B^‰
```

The second query is regarding the third segment BA 117. When I ask for the seat map in native Sabre I get the following response:

AUTH-177 44A

0 - LHR 1 - JFK

NO SMOKING FLIGHT

	A	B	C	D	E	F	G	H	J	K	
	BHD	BHD				BHD	BHD			BHD	BHD
33	.	.	.	.	.	.	.	.	.	.	33
34	.	.	.	.	.	.	.	.	.	.	34
35	*	*	.	*	*	*	*	*	*	*	35
36	.	.	.	.	.	.	.	.	.	.	36
39	BHD	BHD		BHD		BHD					39
40	.	.	.	.	.	.	.	.	.	.	40
41	.	.	.	.	.	.	.	.	.	.	41
42	.	.	.	.	.	.	.	.	.	.	42
43	.	.	.	.	.	.	.	.	.	.	43
44	*	*	*	*	*	*	*	*	*	*	44
45	*	*	*	*	*	*	*	*	*	*	45
46	.	.	.	.	.	.	.	.	.	.	46
47	.	.	.	*	*	*	*	.	.	.	47

AVAIL NO SMK: \* BLOCK : / LEAST PREF: U BULKHEAD: BHD  
 AVAIL SMKING: - PREMIUM: Q UPPER DECK: J EXIT ROW: X  
 SEAT TAKEN : . WING: W LAVATORY: LAV GALLEY: GAL  
 PREF ACCESS LAV: PAL DOOR: DOR SCREEN: SCR CLOSET: CLS  
 PREF ACCESS : H BASSINET: B UMR: M REARFACE: ♂

In SDS the response for the same format is:

00103765AIRAALSMPRES00†02‰WAD000†0†1†0062†‰TVL000†0†120704††††††  
 LHR†JFK^†BA^†0117†Y††^†‰EQI000†1†M†177‰EQI001†1†44A‰CBD001†1†M†  
 Y†††033†053^†M††F††‰CBD002†2†A†W^†‰CBD002†2†B††‰CBD002†2†C†A^†‰CB  
 D002†2†D†A^†‰CBD002†2†E††‰CBD002†2†F††‰CBD002†2†G†A^†‰CBD002†2†  
 H†A^†‰CBD002†2†J††‰CBD002†2†K†W^†‰ROD001†1†033††‰ROD002†2†A†O†B  
 ^†‰ROD002†2†B†O†1A^†‰ROD002†2†C†O†1A^†‰ROD002†2†D†O††‰ROD002†2†  
 E†O†B^†‰ROD002†2†F†O†B^†‰ROD002†2†G†O††‰ROD002†2†H†O†1A^†‰ROD00  
 2†2†J†O†1A^†‰ROD002†2†K†O†B^†‰CBF000†2†F‰CBF001†3†BK†C‰CBF001†3  
 †BK†C‰CBF001†3†BK†L‰CBF001†3†BK†L‰CBF001†3†BK†R‰CBF001†3†BK  
 †R‰ROD001†1†034††‰ROD002†2†A†O†1A^†‰ROD002†2†B†O†1A^†‰ROD002†2†  
 C†O†1A^†‰ROD002†2†D†O††‰ROD002†2†E†O††‰ROD002†2†F†O††‰ROD002†2  
 †G†O††‰ROD002†2†H†O†1A^†‰ROD002†2†J†O†1A^†‰ROD002†2†K†O†1A^†‰RO  
 D001†1†035††‰ROD002†2†A†F†1A^†‰ROD002†2†B†F†1A^†‰ROD002†2†C†O†1A^  
 ‰ROD002†2†H†F†1A^†‰ROD002†2†J†F†1A^†‰ROD002†2†K†F†1A^†‰ROD001†1†  
 036††‰ROD002†2†A†O†V†1A^†‰ROD002†2†B†O†V†1A^†‰ROD002†2†C†O†V†1A^  
 ‰ROD002†2†D†O†V^†‰ROD002†2†E†O†V^†‰ROD002†2†F†O†V^†‰ROD002†2†G  
 †O†V^†‰ROD002†2†H†O†V†1A^†‰ROD002†2†J†O†V†1A^†‰ROD002†2†K†O†V†1  
 A^†‰ROD001†1†037†Z^†‰ROD001†1†038†Z^†‰ROD001†1†039†C^†‰ROD002†2†A†  
 †8^†‰ROD002†2†B††KN^†‰ROD002†2†C††KN^†‰ROD002†2†D††KN^†‰ROD002†2  
 †E††8^†‰ROD002†2†F††8^†‰ROD002†2†G††KN^†‰ROD002†2†H†O†1A^†‰ROD002  
 †2†J†O†1A^†‰ROD002†2†K†O†B^†‰ROD001†1†040††‰ROD002†2†A†O†B^†‰ROD

002†2†B†O†1A^%oROD002†2†C†O†1A^%oROD002†2†D†O†^%oROD002†2†E†O†B^  
%oROD002†2†F†O†B^%oROD002†2†G†O†^%oROD002†2†H†O†1A^%oROD002†2†J†  
O†1A^%oROD002†2†K†O†1A^%oROD001†1†041†^%oROD002†2†A†O†1A^%oROD00  
2†2†B†O†1A^%oROD002†2†C†O†1A^%oROD002†2†D†O†^%oROD002†2†E†O†^%oR  
OD002†2†F†O†^%oROD002†2†G†O†^%oROD002†2†H†O†1A^%oROD002†2†J†O†1A^  
%oROD002†2†K†O†1A^%oROD001†1†042†^%oROD002†2†A†O†1A^%oROD002†2†B†  
O†1A^%oROD002†2†C†O†1A^%oROD002†2†D†O†^%oROD002†2†E†O†^%oROD002†  
2†F†O†^%oROD002†2†G†O†^%oROD002†2†H†O†1A^%oROD002†2†J†O†1A^%oROD0  
02†2†K†O†1A^%oROD001†1†043†^%oROD002†2†A†O†1A^%oROD002†2†B†O†1A^  
%oROD002†2†C†O†1A^%oROD002†2†D†O†^%oROD002†2†E†O†^%oROD002†2†F†O  
†^%oROD002†2†G†O†^%oROD002†2†H†O†1A^%oROD002†2†J†O†1A^%oROD002†2†  
K†O†1A^%oROD001†1†044†^%oROD002†2†A†F†1A^%oROD002†2†B†F†1A^%oROD0  
02†2†C†F†1A^%oROD002†2†H†F†1A^%oROD002†2†J†F†1A^%oROD002†2†K†F†1A^  
%oROD001†1†045†^%oROD002†2†A†F†1A^%oROD002†2†B†F†1A^%oROD002†2†C†  
F†1A^%oROD002†2†H†F†1A^%oROD002†2†J†F†1A^%oROD002†2†K†F†1A^%oROD0  
01†1†046†^%oROD002†2†A†O†1A^%oROD002†2†B†O†1A^%oROD002†2†C†O†1A^  
%oROD002†2†D†O†^%oROD002†2†E†O†^%oROD002†2†F†O†^%oROD002†2†G†O†^  
%oROD002†2†H†O†1A^%oROD002†2†J†O†1A^%oROD002†2†K†O†1A^%oROD001†1  
†047†^%oROD002†2†A†O†1A^%oROD002†2†B†O†1A^%oROD002†2†C†O†1A^%oRO  
D002†2†H†O†1A^%oROD002†2†J†O†1A^%oROD002†2†K†O†1A^%oROD001†1†048†  
^%oROD002†2†A†O†1A^%oROD002†2†B†O†1A^%oROD002†2†C†O†1A^%oROD002†  
2†H†F†1A^%oROD002†2†J†F†1A^%oROD002†2†K†F†1A^%oROD001†1†049†^%oROD  
002†2†A†O†1A^%oROD002†2†B†O†1A^%oROD002†2†C†O†1A^%oROD002†2†H†F†  
1A^%oROD002†2†J†F†1A^%oROD002†2†K†F†1A^%oROD001†1†050†^%oROD002†2†  
A†O†1A^%oROD002†2†B†O†1A^%oROD002†2†C†O†1A^%oROD002†2†H†F†1A^%oR  
OD002†2†J†F†1A^%oROD002†2†K†F†1A^%oROD001†1†051†^%oROD002†2†A††8^  
%oROD002†2†B†O†1A^%oROD002†2†C†O†1A^%oROD002†2†D†O†^%oROD002†2†E  
†O†^%oROD002†2†F†O†^%oROD002†2†G†O†^%oROD002†2†H†O†1A^%oROD002†2†  
J†O†1A^%oROD002†2†K††8^%oROD001†1†052†^%oROD002†2†A††8^%oROD002†2†  
B†O†1A^%oROD002†2†C†O†1A^%oROD002†2†D†O†^%oROD002†2†E†O†^%oROD00  
2†2†F†O†^%oROD002†2†G†O†^%oROD002†2†H†O†1A^%oROD002†2†J†O†1A^%oRO  
D002†2†K††8^%oROD001†1†053†^%oROD002†2†A††8^%oROD002†2†B†O†1A^%oRO  
D002†2†C†O†1A^%oROD002†2†D†O†V^%oROD002†2†E†O†V^%oROD002†2†F†O†V  
^%oROD002†2†G†O†V^%oROD002†2†H†O†1A^%oROD002†2†J†O†1A^%oROD002†2†  
K††8^%o%

In this response all middle seat information is missing for some of the rows, 44,45 and 47-50, which can be seen in a native Sabre response.

Answer: Same situation as above. Explanation for each seat/row is as follows:

|----- Element 00AB, seat occupation default  
∨  
CBD001†1†M†Y†††033†053^M†^F†^%  
CBD002†2†A†W^%  
CBD002†2†B†^%

CBD002†2†C†A^%  
CBD002†2†D†A^%  
CBD002†2†E†^%  
CBD002†2†F†^%  
CBD002†2†G†A^%  
CBD002†2†H†A^%  
CBD002†2†J†^%  
CBD002†2†K†W^%  
ROD001†1†033†^%  
ROD002†2†A†O†B^%  
ROD002†2†B†O†1A^%  
ROD002†2†C†O†1A^%  
ROD002†2†D†O†^%  
ROD002†2†E†O†B^% < -- seats 33DEFG are Occupied, not default so we show  
ROD002†2†F†O†B^%  
ROD002†2†G†O†^%  
ROD002†2†H†O†1A^%  
ROD002†2†J†O†1A^%  
ROD002†2†K†O†B^%  
CBF000†2†F%  
CBF001†3†BK†C%  
CBF001†3†BK†C%  
CBF001†3†BK†L%  
CBF001†3†BK†L%  
CBF001†3†BK†R%  
CBF001†3†BK†R%  
ROD001†1†034†^%  
ROD002†2†A†O†1A^%  
ROD002†2†B†O†1A^%  
ROD002†2†C†O†1A^%  
ROD002†2†D†O†^%  
ROD002†2†E†O†^% < -- seats 34DEFG are Occupied, not default so we show  
ROD002†2†F†O†^%  
ROD002†2†G†O†^%  
ROD002†2†H†O†1A^%  
ROD002†2†J†O†1A^%  
ROD002†2†K†O†1A^%  
ROD001†1†035†^%  
ROD002†2†A†F†1A^%  
ROD002†2†B†F†1A^%  
ROD002†2†C†O†1A^% < -- seats 33DEFG are Free, so default  
ROD002†2†H†F†1A^%  
ROD002†2†J†F†1A^%  
ROD002†2†K†F†1A^%  
ROD001†1†036†^%  
ROD002†2†A†O†V†1A^%

ROD002†2†B†O†V†1A^%  
ROD002†2†C†O†V†1A^%  
ROD002†2†D†O†V^%  
ROD002†2†E†O†V^% < -- seats 36DEFG are Occupied, not default so we show  
ROD002†2†F†O†V^%  
ROD002†2†G†O†V^%  
ROD002†2†H†O†V†1A^%  
ROD002†2†J†O†V†1A^%  
ROD002†2†K†O†V†1A^%  
ROD001†1†037†Z^%  
ROD001†1†038†Z^%  
ROD001†1†039†C^%  
ROD002†2†A††8^%  
ROD002†2†B††KN^%  
ROD002†2†C††KN^%  
ROD002†2†D††KN^%  
ROD002†2†E††8^% < -- seats 39DEFG are missing seats, so not default  
ROD002†2†F††8^%  
ROD002†2†G††KN^%  
ROD002†2†H†O†1A^%  
ROD002†2†J†O†1A^%  
ROD002†2†K†O†B^%  
ROD001†1†040†^%  
ROD002†2†A†O†B^%  
ROD002†2†B†O†1A^%  
ROD002†2†C†O†1A^%  
ROD002†2†D†O†^% < -- seats 40DEFG are Occupied, not default so we show  
ROD002†2†E†O†B^%  
ROD002†2†F†O†B^%  
ROD002†2†G†O†^%  
ROD002†2†H†O†1A^%  
ROD002†2†J†O†1A^%  
ROD002†2†K†O†1A^%  
ROD001†1†041†^%  
ROD002†2†A†O†1A^%  
ROD002†2†B†O†1A^%  
ROD002†2†C†O†1A^%  
ROD002†2†D†O†^%  
ROD002†2†E†O†^% < -- seats 41DEFG are Occupied, not default so we show  
ROD002†2†F†O†^%  
ROD002†2†G†O†^%  
ROD002†2†H†O†1A^%  
ROD002†2†J†O†1A^%  
ROD002†2†K†O†1A^%  
ROD001†1†042†^%  
ROD002†2†A†O†1A^%

ROD002†2†B†O†1A^%  
ROD002†2†C†O†1A^%  
ROD002†2†D†O†^%  
ROD002†2†E†O†^% < -- seats 42DEFG are Occupied, not default so we show  
ROD002†2†F†O†^%  
ROD002†2†G†O†^%  
ROD002†2†H†O†1A^%  
ROD002†2†J†O†1A^%  
ROD002†2†K†O†1A^%  
ROD001†1†043†^%  
ROD002†2†A†O†1A^%  
ROD002†2†B†O†1A^%  
ROD002†2†C†O†1A^%  
ROD002†2†D†O†^%  
ROD002†2†E†O†^% < -- seats 43DEFG are Occupied, not default so we show  
ROD002†2†F†O†^%  
ROD002†2†G†O†^%  
ROD002†2†H†O†1A^%  
ROD002†2†J†O†1A^%  
ROD002†2†K†O†1A^%  
ROD001†1†044†^%  
ROD002†2†A†F†1A^%  
ROD002†2†B†F†1A^%  
ROD002†2†C†F†1A^% < -- seats 44ABCHJK are Free but Infant Restricted  
ROD002†2†H†F†1A^% < -- seats 44DEFG are Free, so default  
ROD002†2†J†F†1A^%  
ROD002†2†K†F†1A^%  
ROD001†1†045†^%  
ROD002†2†A†F†1A^%  
ROD002†2†B†F†1A^% < -- same thing here  
ROD002†2†C†F†1A^%  
ROD002†2†H†F†1A^%  
ROD002†2†J†F†1A^%  
ROD002†2†K†F†1A^%  
ROD001†1†046†^%  
ROD002†2†A†O†1A^%  
ROD002†2†B†O†1A^%  
ROD002†2†C†O†1A^%  
ROD002†2†D†O†^%  
ROD002†2†E†O†^% < -- seats 46DEFG are Occupied, not default so we show  
ROD002†2†F†O†^%  
ROD002†2†G†O†^%  
ROD002†2†H†O†1A^%  
ROD002†2†J†O†1A^%  
ROD002†2†K†O†1A^%  
ROD001†1†047†^%

ROD002†2†A†O†1A^‰  
 ROD002†2†B†O†1A^‰  
 ROD002†2†C†O†1A^‰ < -- seats 47DEFG are Free so match default  
 ROD002†2†H†O†1A^‰  
 ROD002†2†J†O†1A^‰  
 ROD002†2†K†O†1A^‰  
 ROD001†1†048†^‰  
 ROD002†2†A†O†1A^‰  
 ROD002†2†B†O†1A^‰  
 ROD002†2†C†O†1A^‰ < -- seats 48DEFG are Free so match default  
 ROD002†2†H†F†1A^‰  
 ROD002†2†J†F†1A^‰  
 ROD002†2†K†F†1A^‰  
 ROD001†1†049†^‰  
 ROD002†2†A†O†1A^‰  
 ROD002†2†B†O†1A^‰ < -- seats 49DEFG are Free so match default  
 ROD002†2†C†O†1A^‰  
 ROD002†2†H†F†1A^‰  
 ROD002†2†J†F†1A^‰  
 ROD002†2†K†F†1A^‰  
 ROD001†1†050†^‰  
 ROD002†2†A†O†1A^‰  
 ROD002†2†B†O†1A^‰ < -- seats 50DEFG are Free so match default  
 ROD002†2†C†O†1A^‰  
 ROD002†2†H†F†1A^‰  
 ROD002†2†J†F†1A^‰  
 ROD002†2†K†F†1A^‰  
 ROD001†1†051†^‰  
 ROD002†2†A††8^‰  
 ROD002†2†B†O†1A^‰  
 ROD002†2†C†O†1A^‰  
 ROD002†2†D†O†^‰  
 ROD002†2†E†O†^‰ < -- seats 51DEFG are Occupied, not default so we show  
 ROD002†2†F†O†^‰  
 ROD002†2†G†O†^‰  
 ROD002†2†H†O†1A^‰  
 ROD002†2†J†O†1A^‰  
 ROD002†2†K††8^‰  
 ROD001†1†052†^‰  
 ROD002†2†A††8^‰  
 ROD002†2†B†O†1A^‰  
 ROD002†2†C†O†1A^‰  
 ROD002†2†D†O†^‰  
 ROD002†2†E†O†^‰ < -- seats 52DEFG are Occupied, not default so we show  
 ROD002†2†F†O†^‰  
 ROD002†2†G†O†^‰



ROD002†2†H†O†1A^‰  
ROD002†2†J†O†1A^‰  
ROD002†2†K††8^‰  
ROD001†1†053†^‰  
ROD002†2†A††8^‰  
ROD002†2†B†O†1A^‰  
ROD002†2†C†O†1A^‰  
ROD002†2†D†O†V^‰  
ROD002†2†E†O†V^‰ < -- seats 53DEFG are Occupied, not default so we show  
ROD002†2†F†O†V^‰  
ROD002†2†G†O†V^‰  
ROD002†2†H†O†1A^‰  
ROD002†2†J†O†1A^‰  
ROD002†2†K††8^‰‰

If the occupancy codes are missing, then either this is a missing seat (as identified in the seat characteristics, element 005A) or the occupancy matches the default identified in the CBD.