

AAR RV BRAVO – General Procedure

ATP-56(B)
Part 2 Annex 1B

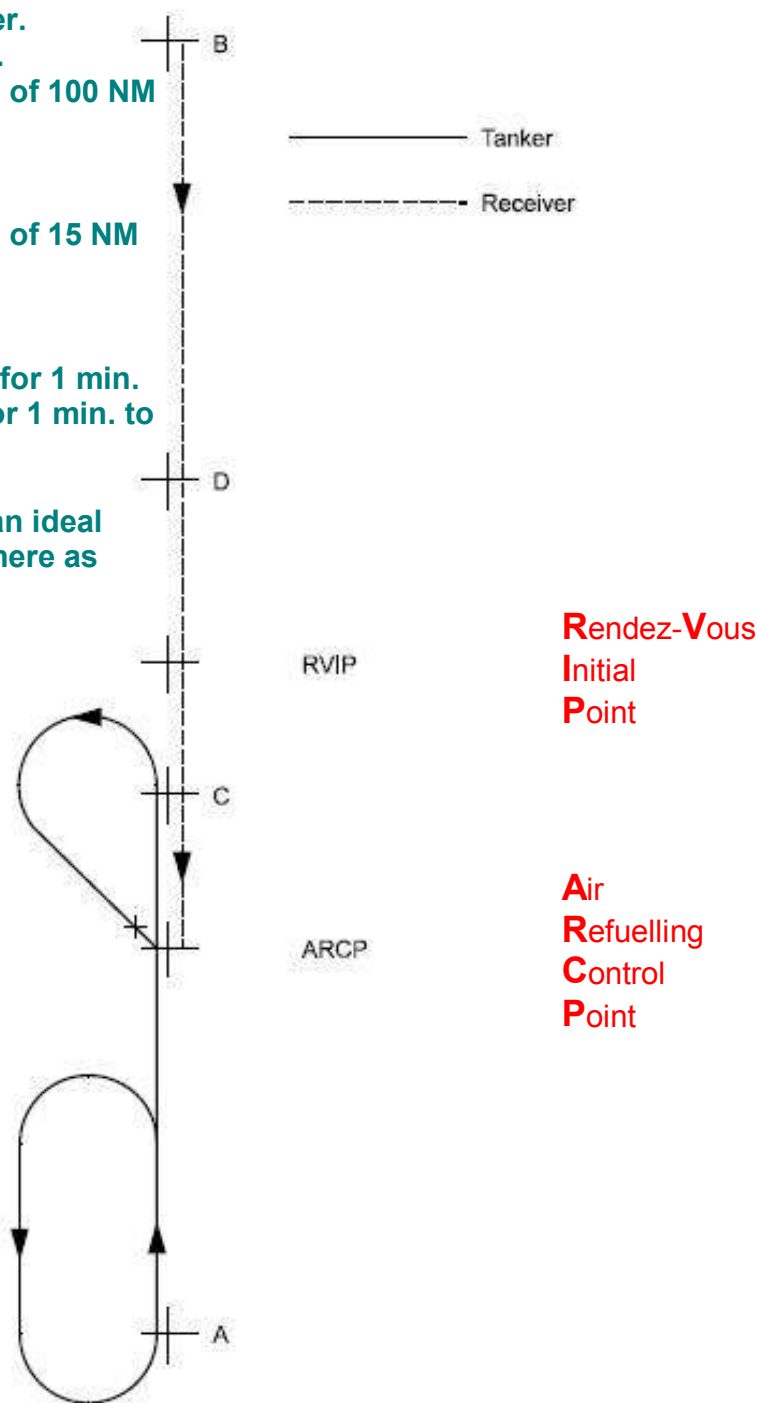
Figure 1B-1. Diagram of RV Bravo

A / B = radiocontact Tanker & Receiver.
Both a/c adjusting speed to 250 KIAS.
A minimum initial head-on separation of 100 NM should be planned.

C / D = turn range.
A minimum initial head-on separation of 15 NM should be planned.

C = Tanker makes left turn of 180°
Then followed by an extra turn of 45° for 1 min.
Then followed by a right turn of 45° for 1 min. to come on the heading of the receiver.

A = the tanker racetrack is shown in an ideal position but it may be planned elsewhere as required.



Introduction

The RV Bravo is a heading based procedure that utilises air to air equipment of both tanker and receiver. It has a further advantage in that it does not require a pre-briefed AAR track. It is also suitable for large or battle-damaged receivers, because the tanker performs all turns during the procedure.

As this procedure is heading rather than track based, it may not be suited to a busy ATC environment.

Procedure

1. A reciprocal head-on approach without lateral displacement is set up. To give sufficient time to correct any heading error, a minimum initial head-on separation of 100 nm is desirable.
2. Tanker and receiver will fly (until this document is updated) both at 250 KIAS.
3. Radar should be active on screen for both a/c.
4. The RV BRAVO is to be controlled throughout by the tanker unless the tanker makes a positive handover of control to the receiver.

Help diagram

Tanker	Receiver	Left turn to	Tanker	Receiver	Left turn to
360	0	135	190	010	325
010	190	145	200	020	335
020	200	155	210	030	345
030	210	165	220	040	355
040	220	175	230	050	005
050	230	185	240	060	015
060	240	195	250	070	025
070	250	205	260	080	035
080	260	215	270	090	045
090	270	225	280	100	055
100	280	235	290	110	065
110	290	245	300	120	075
120	300	255	310	130	085
130	310	265	320	140	095
140	320	275	330	150	105
150	330	285	340	160	115
160	340	295	350	170	125
170	350	305	360	180	135
180	360	315			

- = Tankers heading during the RV Bravo procedure
- = Backcourse to be hold by the receiver
- = Tankers heading when reaching the Turn Range Point