

## Order Paper Questions

Aircraft Number	Hours Accumulated
723	833
724	950
725	767
726	823
728	315
729	544
730	845
731	804
732	412
733	745
734	931
735	437
736	747
737	669
738	931
739	684
740	807
741	693
742	470

## ANNEX B

## Average monthly airframe accumulation and months expected to remain serviceable

Aircraft Number	Average Monthly accumulation (hours)	Number of months expected to be Serviceable Till	
		11,000 Airframe hours	15,000 Airframe hours
710	65.6	—	45
711	68.2	1	56
712	44.1	—	38
713	38.5	17	71
714	35.8	28	83
715	70.3	—	—
716	73.0	—	48
717	52.0	—	40
718	64.5	—	—
719	64.0	—	35
720	46.7	—	33
721	66.9	—	30
722	31.8	—	55
723	69.4	—	45
724	79.1	19	74
725	63.9	—	39
726	68.6	—	36
728	26.2	—	47
729	45.3	10	64
730	70.4	—	—
731	70.4	—	—
732	34.3	—	44
733	62.0	—	—
734	77.6	—	50
735	36.4	—	27
736	62.2	—	39
737	55.7	—	30
738	77.6	—	35
739	57.0	—	—
740	67.2	—	43
741	57.7	—	35
742	39.2	—	41

NATIONAL DEFENCE—PERFORMANCE CHARACTERISTICS  
ORION AND DASH-7

## Question No. 2,610—Mr. Forrestall:

What are the performance characteristics under optimum conditions of the (a) ORION (b) DASH-7 in terms of (i) range in miles (ii) hours [Mr. Richardson.]

of continuous flight (iii) minimum and maximum sustainable altitudes (iv) number of square miles coverable in search capacity after flying 500 miles and before requirement to return 500 miles to base of operation (v) electronic payload weight (vi) armament weight (vii) maximum and minimum speeds?

**Hon. James Richardson (Minister of National Defence):** The performance characteristics for the aircraft in question are listed in the table below:

	(a) ORION	(b) DASH-7R*
(i) Maximum range in nautical miles (at best cruise altitude)	4,370	2,080
(ii) Maximum continuous airborne time in hours	12.5	9.4
(iii) Minimum sustainable altitude	300 ft.	300 ft.
Maximum sustainable altitude	35,000 ft.	20,000 ft.
(iv) Area coverable at 500 nautical miles radius from base	176,800 sq. NMI	54,000 sq. NMI
(v) Electronic payload weight (Photographic sensors not included)	10,862 lbs.	2,590 lbs.
(vi) Armanent weight	5,263 lbs.	Nil
(vii) Maximum (Dash) Speed	380 Knots	245 Knots
Minimum (Loiter) Speed	170 Knots	80 Knots

\*Note: DASH-7R is an increased capability DASH-7 in terms of maximum fuel load.

NATIONAL DEFENCE—PERFORMANCE OF BOEING, LOCKHEED,  
DASH-7 AT LOW ALTITUDE

## Question No. 2,611—Mr. Forrestall:

What are the comparative optimum performance figures expressed in hours and miles for on station surveillance operations at an altitude of 300 to 500 feet for the (a) Boeing (b) Lockheed (c) DASH-7 contemplated replacements for the Argus?

**Hon. James Richardson (Minister of National Defence):** The optimum performance figures for the aircraft in question at a patrol altitude of 300 to 500 feet while on station are as follows:

Aircraft	Time to on Station and Return (Hours)	Distance to on Station (Nautical Miles)	On Station Time (Hours)	Patrol Coverage (Nautical Miles)
(a) Boeing	2.5	600	8.00	2,340
(b) Lockheed	3.6	600	8.00	2,015
(c) DASH-7R*	5.75	600	3.33	635

\*Note: The DASH-7R is not contemplated as a replacement for the Argus. See Answer to Question No. 2,603.

## NATIONAL DEFENCE—LONG RANGE PATROL AIRCRAFT

## Question No. 2,612—Mr. Forrestall:

Has the government had any conversations with our NATO or North American defence partners with respect to the continued requirement of a long range patrol aircraft with (a) hunter (b) killer capability and, if so, what was the nature of any agreement or understanding on the subject?