

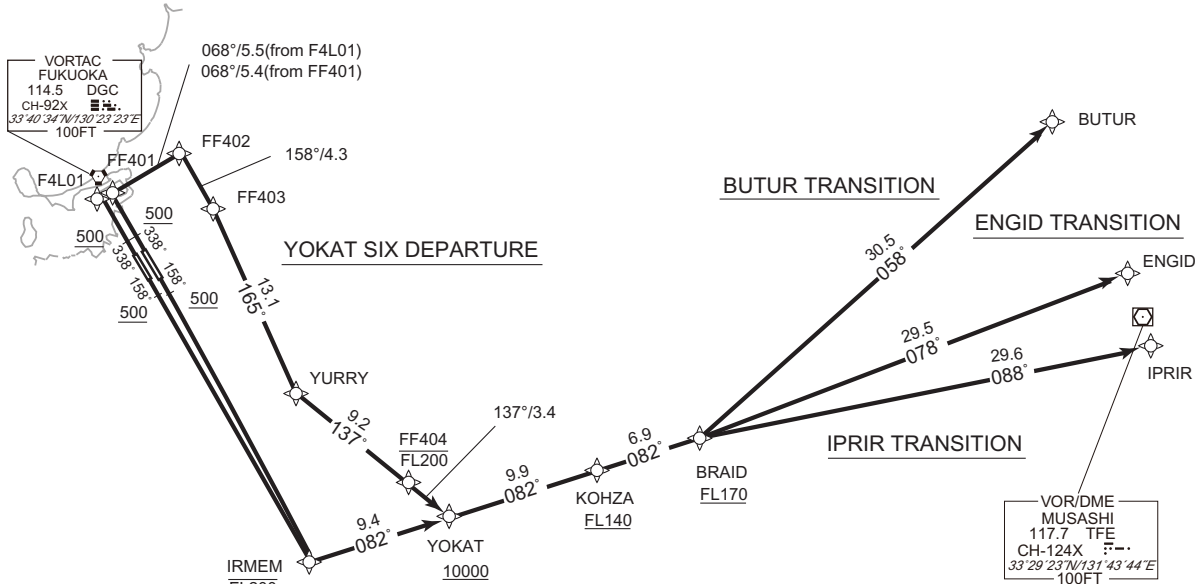
STANDARD DEPARTURE CHART-INSTRUMENT

RJFF / FUKUOKA

RNAV SID and TRANSITION

YOKAT SIX DEPARTURE			RNAV 1
BUTUR TRANSITION / ENGID TRANSITION / IPRIR TRANSITION			
Note 1) DME/DME/IRU or GNSS required. ※ The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll. 2) RADAR service required.		Critical DME	RWY16L/16R DGC : 20.3NM to IRMEM - 15.5NM to IRMEM IKE : 20.3NM to IRMEM - 15.5NM to IRMEM
DME GAP	RWY16L/16R : DER - 20.3NM to IRMEM RWY34L : DER - 3.3NM to F4L01 1.8NM to F4L01 - F4L01 RWY34R : DER - 3.3NM to FF401 1.8NM to FF401 - FF401		RWY34L DGC : 3.3NM to F4L01 - 1.8NM to F4L01 IKE : 3.3NM to F4L01 - 1.8NM to F4L01 F4L01 - 2.8NM to FF402 AHT : F4L01 - 2.0NM to FF403
Inappropriate Nav aids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1		RWY34R DGC : 3.3NM to FF401 - 1.8NM to FF401 IKE : 3.3NM to FF401 - 1.8NM to FF401 FF401 - 2.8NM to FF402 AHT : FF401 - 2.0NM to FF403

VAR 8°W



YOKAT SIX DEPARTURE

RWY34R : Climb on HDG 338° at or above 500FT, direct to FF401, to FF402, to FF403, to YURRY, to FF404 at or below FL200, to YOKAT at or above 10000FT.

RWY34L : Climb on HDG 338° at or above 500FT, direct to F4L01, to FF402, to FF403, to YURRY, to FF404 at or below FL200, to YOKAT at or above 10000FT.

RWY16L/16R : Climb on HDG 158° at or above 500FT, direct to IRMEM at or below FL200, to YOKAT at or above 10000FT.

Note RWY34R/34L : 7.0% climb gradient required up to 2800FT.
RWY16L/16R : 5.8% climb gradient required up to 1100FT.
OBST ALT 399FT located at 1.2NM 138° FM end of RWY16L.
OBST ALT 1470FT located at 6.2NM 182° FM end of RWY16L.
OBST ALT 130FT located at 0.3NM 186° FM end of RWY16R.

BUTUR TRANSITION
From YOKAT at or above 10000FT, to KOHZA at or above FL140, to BRAID at or above FL170, to BUTUR.

ENGID TRANSITION
From YOKAT at or above 10000FT, to KOHZA at or above FL140, to BRAID at or above FL170, to ENGID.

IPRIR TRANSITION
From YOKAT at or above 10000FT, to KOHZA at or above FL140, to BRAID at or above FL170, to IPRIR.

STANDARD DEPARTURE CHART-INSTRUMENT

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RNAV SID

YOKAT SIX DEPARTURE

RWY34R

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	338 (330.4)	-8.0	—	—	+500	—	—	RNAV1
002	DF	FF401	—	—	-8.0	—	—	—	—	—	RNAV1
003	TF	FF402	—	068 (060.1)	-8.0	5.4	—	—	—	—	RNAV1
004	TF	FF403	—	158 (150.4)	-8.0	4.3	—	—	—	—	RNAV1
005	TF	YURRY	—	165 (157.2)	-8.0	13.1	—	—	—	—	RNAV1
006	TF	FF404	—	137 (129.4)	-8.0	9.2	—	-FL200	—	—	RNAV1
007	TF	YOKAT	—	137 (129.4)	-8.0	3.4	—	+10000	—	—	RNAV1

RWY34L

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	338 (330.4)	-8.0	—	—	+500	—	—	RNAV1
002	DF	F4L01	—	—	-8.0	—	—	—	—	—	RNAV1
003	TF	FF402	—	068 (060.1)	-8.0	5.5	—	—	—	—	RNAV1
004	TF	FF403	—	158 (150.4)	-8.0	4.3	—	—	—	—	RNAV1
005	TF	YURRY	—	165 (157.2)	-8.0	13.1	—	—	—	—	RNAV1
006	TF	FF404	—	137 (129.4)	-8.0	9.2	—	-FL200	—	—	RNAV1
007	TF	YOKAT	—	137 (129.4)	-8.0	3.4	—	+10000	—	—	RNAV1

RWY16L/ RWY16R

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	158 (150.3)	-8.0	—	—	+500	—	—	RNAV1
002	DF	IRMEM	—	—	-8.0	—	—	-FL200	—	—	RNAV1
003	TF	YOKAT	—	082 (073.5)	-8.0	9.4	—	+10000	—	—	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
F4L01	333928.0N / 1302356.2E	YURRY	332622.1N / 1303817.8E
FF401	333931.4N / 1302403.3E	FF404	332032.3N / 1304647.7E
FF402	334212.3N / 1302939.7E	IRMEM	331544.5N / 1303908.3E
FF403	333827.6N / 1303213.2E	YOKAT	331824.0N / 1304954.8E

STANDARD DEPARTURE CHART-INSTRUMENT

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RNAV TRANSITION

BUTUR TRANSITION

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	YOKAT	—	—	-8.0	—	—	+10000	—	—	RNAV1
002	TF	KOHZA	—	082 (073.6)	-8.0	9.9	—	+FL140	—	—	RNAV1
003	TF	BRAID	—	082 (073.8)	-8.0	6.9	—	+FL170	—	—	RNAV1
004	TF	BUTUR	—	058 (049.7)	-8.0	30.5	—	—	—	—	RNAV1

ENGID TRANSITION

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	YOKAT	—	—	-8.0	—	—	+10000	—	—	RNAV1
002	TF	KOHZA	—	082 (073.6)	-8.0	9.9	—	+FL140	—	—	RNAV1
003	TF	BRAID	—	082 (073.8)	-8.0	6.9	—	+FL170	—	—	RNAV1
004	TF	ENGID	—	078 (070.4)	-8.0	29.5	—	—	—	—	RNAV1

IPRIR TRANSITION

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	YOKAT	—	—	-8.0	—	—	+10000	—	—	RNAV1
002	TF	KOHZA	—	082 (073.6)	-8.0	9.9	—	+FL140	—	—	RNAV1
003	TF	BRAID	—	082 (073.8)	-8.0	6.9	—	+FL170	—	—	RNAV1
004	TF	IPRIR	—	088 (079.8)	-8.0	29.6	—	—	—	—	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates
YOKAT	331824.0N / 1304954.8E
KOHZA	332110.5N / 1310116.1E
BRAID	332305.6N / 1310911.1E
BUTUR	334245.3N / 1313707.9E
ENGID	333254.3N / 1314232.6E
IPRIR	332815.0N / 1314401.8E