

Time allowed 25 minutes

Refer Chart No 8

Total Marks 100

Aircraft Identification: VT ATB	Flight Rules: I	Type of Aircraft: Citation
Departure Aerodrome: VEBS	Wake Turbulence: M	Type of Flight: G
Route: CEA, R472, W110	Time: 1600	Level: FL 250
Destination Aerodrome: VEBI	Equipment: S	
Other Information: Chartered Flight		Alternate Aerodrome: VEGT

Note 1

1. Answer all situations/questions in ascending order.
2. Use hypothetical data of procedural control. Usage of RDL and DME dist is recommended.
3. For message that require to be transmitted at specific time, candidate should write that specific time against question No on answer sheet.
4. Continue answering till you are told to “Go to next question”.
5. Usage of Aviation Language and prescribed Phraseologies is mandatory.

Note 2. FIS provided by designated unit on 124.7

1 a. During Taxi, you have taken a wrong turn and you come to a dead end. You are not sure where you are. Seek assistance.

b. During Taxi, you get hot tyre indication, you would like someone to check the tyres.

2. ATD 1625. 30 nm inbound CEA, you monitor 9W765 is descending through your flight level. Take action.

3. You reach RAJ ATC is calling you. Respond and replan your flight.

4. 30 nm inbound GGT, Guwhati control informs you that Barapani is reporting thunderstorm. Take action.

5. Transmit the following in aviation English.

- a. VIBN aerodrome control VT ATT R/W 27 is soaked due to recent rain.
- b. 6E 702 VOBZ tower be careful, work is going on at end of R/W 33.
- c. AI 7765 VARP tower operate the special position identification feature.
- d. VIKJ VDF VT ATT what is my true bearing from you.
- e. IT 756 VAAH Approach control radar arrival call me when you cross radial 185 AAE.

1 a 1 Bld 2 4 UL 4 6	<u>Bbs Twr VT ATB Taken a wrong turn</u> <u>inadvertently at Link 2 Reached Dead end</u> Req Follow Me.	Sending Follow Me, (Go to the next question)
1 b 2 Bld 8 3 UL 6 14	PAN x 3 Bbs Twr VT ATB on Taxiway A Get Hot tyre indication Stopping slowly Req Fire fighting service for carrying out visual check	Sending fire fighting services (Go to the next question)
2 2 Bld 10 5 UL 10 20	Kol Ctl VT ATB Airprox Safety not assured Psn 30 nm IB CEA FL250 TAS 350 IMC monitored 9w 765 decending thru my lvl	(Go to the next question)
3 10 UL 20 20	Kol Ctl VT ATB Go Ahead <u>Rer rte via W69, W 45, W53, FL 240 till KH</u> <u>then FL 250 est KH-----(time) TAS 450</u> <u>TET 2 hrs Endu 4 hrs revised ETA BPN-----</u> <u>(time) VTB</u>	VTB Bangladesh airspace closed, rpt intention Ngp Ctl VTB Clr to rte via W 69 , rpt KH Kol Ctl
	<u>Will rpt KH VTB</u>	(Go to the next question)
4 1 Bld 4 8 UL 16 20	Guwhati Ctl VT ATB 30 nm IB GGT FL 250 req divert to guwhati due wx at BPN, Req Descend <u>Setting course for guwhati, leaving FL 250 for</u> <u>FL 120 ETA GGT -----(time) VTB</u>	VTB Clr diversion to GGT , clr descend FL 100 Guwhati Ctl Climb 4000 and hold Khj

Key 35

5 X 4 20

- Varanasi aerodrome control VT ATT R/W 27 surface Wet.
- IFLY 702 Vijaywada tower **exercise caution work in progress** at end of R/W 33.
- Airindia 7765 Raipur tower squawk **Ident**.
- Khajuraho **Homer** VT ATT request QTE.
- Kingfisher 756 Ahmadabad Arrival **Report** crossing radial 185 AAE

Chart No 2
Question 36

Aircraft Identification: AI 430

Departure Aerodrome: VIDP

Time 10:15

Type of Aircraft: Airbus

Level: 350

Route R460

Aerodrome destination: VECC

Other Information: Training flight VHF only

Alternate VIBN

Note:

1. Take RTF action for situations given below in ascending order.
2. Use hypothetical data, for message that require to be transmitted at specific time, candidate should write that specific time against question No on answer sheet.
3. Continue answering till you are told to "Go to next question".
4. Usage of Aviation Language and prescribed Phraseologies is mandatory.

Q 1a Runway in use is 27. Cross wind component is not within limits. Take action to ask for reciprocal r/w during Taxi.

b When you are at FL 70 ATC calls you.

Q 2 You are routing ALI and passing FL 110, you calculate that you will be able to reach FL 350 at VILK.

Q 3 You are 40 nm inbound VIBN. Mode C failure occurs. Take action.

Q 4 While passing FL 130 for descent, you experience hydraulic failure.

Q 5 Transmit the following in Aviation Phraseology:

- a) Delhi control VT HJD would like to make approach in visual reference to terrain.
- b) IC 538 turn right heading 230 degrees to identify yourself on radar.
- c) 6E490 wind direction is changing.
- d) VTJYO make one circle right at downwind.
- e) Runway Visual Range 2500.
- f) AI 367 keep coming at speed you are flying.

DELHI GROUND AIR INDIA 430/HEAVY ON 121.9, ON TAXIWAY AL PHA, REQUEST RUNWAY 09 FOR DEPARTURE DUE TO STRONG CROSS WIND COMPONENT

AI 430 EXPECT DELAY OF 10 MINUTES FOR RUNWAY 09 DUE ARRIVAL REQUEST INTENTION

WILL TAKE DELAY AI430

AI 430 IS RECLEARED TO HOLDING POINT R/W 09, TAXI VIA MIKE AND HOH TEL
RECLEARED TO HOLDING POINT R/W 09, TAXI VIA MIKE AND HOH TEL, AI 430
NOTE:YOU MAY BE ASKED TO ASK FOR A CHANGE OF RUNWAY ON FINAL.

DELHI APPROACH AI 430 ON 127.9,PASSING FL 70, PASS YOUR MSG

AI 430 DEL APCH CHG OVER TO DELHI CONT ON 125.55

CHANGING TO DEL CONT ON 125.55 AI 430

DEL CONT AI 430 ON 125.55, PASSING FL 70, PASS YOUR MSG

AI 430 DEL CTRL, LAND LINES WITH LUCKNOW DOWN,CONTACT LUCKNOW AND OBTAIN RECIPROCAL TRAFFIC ADVISORY

ROGER CHANGING TO LUCKNOW APPROACH AI 430

LUCKNOW APPROACH AI 430 DEPARTED DELHI 0600 FOR KOLKATA PASSING FL 70 FOR FL 350 REQUEST RECIPROCAL TRAFFIC ADVISORY

NEGATIVE TRAFFIC LUCKNOW APPROACH

CHANGING TO DELHI CONTROL AI 430

DELHI CONTROL AI 430 LUCKNOW HAS NEGATIVE TRAFFIC MAINTAINING WITH YOU (NEXT Q)

DELHI CONTROL AI 430, POSITION ALI, 1030,CLIMBING PASSING FL 110, ESTIMATING KADAS 1045 LUCKNOW 110, WILL BE ABLE TO REACH FL 350 AT LLK

ROGER REPORT REACHING OVERHEAD LLK

WILCO AI430(NEXT Q)

VARANASI CONTROL AI430 ON 120.75, 40 NM INBOUND BBN, 1115, FL 350,UNABLE RVSM DUE EQPT,TRANSPOUNDER MODE C FAILURE, REQUEST DESCENT TO FL 270

AI 430 VAR CTRL, LEAVE ATS ROUTE TOWARDS NORTH, DESCENT FL 270, PASSING FL 290 RESUME NORMAL NAVIGATION

RECLEARED FL 270, LEAVING FL 350 FOR FL 270, TURNING LEFT TO LEAVE ATS ROUTE, PASSING FL 290 WILL RESUME NORMAL NAVIGATION, AI 430
(NEXT Q)

MAY DAY MAY DAY MAY DAY KOLKATTA APCH AI 430 ON 119.0, AIRBUS , HYDRAULIC FAILURE ,WILL BE MAKING FORCE LANDING AT KOLKATTA , POSITION 30 NM INBOUND KOL RADIAL 300 TIME 1200, FL 130 DESCENDING, COURSE 120 SPEED 350 PERSONS ONBOARD 120 REQUEST PRIORITY LANDING

AI 430, KOL APCH,ROGER MAYDAY CLEARED DESCENT „NO 1 TO LAND REPORT WHEN RUNWAY IN SIGHT

KOL APPROACH AI 430 WILL REPORT WHEN RUNWAY IN SIGHT
RUNWAY IN SIGHT REQUEST FURTHER LANDING INSTRUCTION

CLEARED TO LAND RUNWAY 09 QNH 1009 REPORT WHEN LANDED

CLEARED TO LAND RUNWAY 09 QNH 1009 WILCO AIRINDIA 430
LANDED DELHI 0510 AIRINDIA 430

Question 37

Chart 7

Aircraft Identification: VT JIM

Departure Aerodrome: VOMD

Route R461, VOGOW15N

Aerodrome destination: VABB

Other Information: Chartered flt, Human organ
on board

Type of Aircraft: Citation

Time 0300 Level: F 320

Alternate VOML, VOBL

Wake turb cat M

Eqpt S, Flt Rules I

Note:

1. Take RTF action for situations given below in ascending order.
2. Use hypothetical data, for message that require to be transmitted at specific time, candidate should write that specific time against question No on answer sheet.
3. Continue answering till you are told to "Go to next question".
4. Usage of Aviation Language and prescribed Phraseologies is mandatory.
5. **Call out freq of txn on first contact and as and when required.**

Q 1. (a) You are taxiing out for departure that ATC calls you. Answer the call and take appropriate action.

Q1 (b) Operations get resumed. You are taxiing out for departure. Make request for expeditious departure giving reasons

Actual Time of Departure: 03:55

Q 2 At 30 DME from VOMD, passing FL 120 weather radar shows heavy weather developing over and around VOCB spreading Northwards. Reroute Flight to VABB via VOCL to avoid weather. Seek permission.

Q 3. As you cross MML FL 320 at about 5 Nm you see an IAF fighter overtaking from right and turning sharply towards Hyderabad, climbing. Radio detailed msg.

Q 4 You have been vectored clear of weather and services terminated on Rd 219 FL 50 at initial approach fix for VOR approach runway 14 and changed over to AD control. Show progressive compliance, refer attachment.

Q 5. Transmit the following sentences of plain English in aviation language phrases and use proper phrases/ phraseologies as and when required.

(a) VTRCF NC in Vis.

(b) ATA 0415.

(c) Com brfg must be taken.

(d) ATS route G705 is Awy.

(e) Mumbai twr REDL is too bright

(f) Watch Hours HJ

(g) VT-KJN RTN due TECR

(h) VT-ESX req yr TOC

(i) You must land before SS

(j) AD BCN is SVCBL

Ans 1(a) MDRI TWR VTJIM ON 122.8,PASS YOUR MSG

VIM,MDR TWR FLOCK OF BIRDS SOARING IN TAKE OFF PATH.

WILL NOT DEPART, RETURNING TO APRON, POSN LINK A, REQ TAXI INSTRS, V-IM
(NEXT q)

Ans 1 (b) MDRI TWR VT JIM,REQ EXPEDITE OUR DEPARTURE,CARRYING HUMAN
ORGANS ON BD

V-IM MDI TWR CNFRM RDY FOR IMDT DEP

AFFIRM,RDY FOR IMDT DEP ,V IM

V-IM,CLR TO LINE UP AND T/O,R/W 30

CLR TO LINE UP AND T/O ,R/W 30 ,V-IM
(NEXT Q)

Ans 2

TRVM CTRL VT-JIM ON 120.6, POSN 30 DME OUT MDI, R 461,0355, PASSING FL 120 FOR
320, WILL ALTER TRACK FROM PRESENT POSN TO AVOID WX OVER COIMB,REQ
REROUTE VIA DIRECT CIA,W15 GGO W 15 N BBB,,EST CIA 0415,CLC 0430,TOTAL EET
0300,ENDURANCE 4 HRS

V-IM,,,TVM CTRL , CONTACT APPROP AUTH FOR YOUR DIVERSION

CONTACTING MANG CTRL ON 127.55,VIM

(NEXT Q)

Ans 3

MGLR CTRL VTJIM ON 127.55,AIRPROX,SAFETY NOT ASSURED, CITATION, POSN 10
DME OUTBOUND MML RDL 355 ON W15,0500,FL 320,IMC,TAS 450 KNOTS ,TIME OF
INCIDENT 0455,AN IAF FIGHTER FLEW ON OUR RIGHT AT APPROX 5 NM,CLIMBING
PHASE ON APPROX HDG 340, TURNED SHARPLY TOWARDS 050 DIRN,SIGHTED AT 3 O
CLOCK

VT JIM,MGLR CTRL,RGR YOUR AIRPROX

(NEXT Q)

ANS 4 MUM TWR VT-JIM ON 118.1,REPORTING IAF 17 DME BBB, RDL 219,TURNING LEFT
FOR DME ARC VOR APCH R/W 14,LEAVING FL 50 FOR 3700 FT

RGR

MUM TWR VIM,COMMENCING ARC, 3700 FT

RGR

MUM TWR VIM,CROSSING LEAD RDL 303,TRNG RIGHT FOR INBOUND,LVING 3700 FT
FOR 2000 FT

VIM MUM TWR, BOEING ON LDG HAS TIRE BURST,R/W 14 CLOSED

R/W CLOSED,ABANDONING VOR APCH,INITIATING MISSED APCH
PROCEDURE,CLIMBING TO 3700 FT,WILL TURN LEFT AT 2600 FT FOR HOLD OVER BBB,
V-IM(NEXT Q)

VTRCF NC in Vis. VTRCF No change in visibility

(b) ATA 0415. Actual time of arrival 0415

(c) Com brfg must be taken. Communication briefing must be taken.

(d) ATS route G705 is Awy. Air Traffic Service rte Golf seven zero fife is airway.

(e) Mumbai twr REDL is too bright. Mumbai tower Runway Edge lights are too bright.

(f) Watch Hours HJ (Sunrise to sunset)

Question 38

Chart 7

Aircraft Identification: VT JIM

Departure Aerodrome: VOMD

Route R461 VAGO W 15 N

Aerodrome destination: VABB

Flight Rule : I

Type of flt G, Eqpt S

Wake Turb : M Type of Aircraft: Citation

Time 0300

Level: F 320

Alternate VOML,VOBM

Other Information Chartered flt, Foreign dignitaries on bd

Note:

1. Take RTF action for situations given below in ascending order.
2. Use hypothetical data, for message that require to be transmitted at specific time, candidate should write that specific time against question No on answer sheet.
3. Continue answering till you are told to "Go to next question".
4. Usage of Aviation Language and prescribed Phraseologies is mandatory.

Q 1. (a) You are taxiing out for departure that ATC calls you. Answer the call and take appropriate action.

Q1 (b) Operations get resumed. You are taxiing out for departure. Make request for expeditious departure giving reasons

Actual Time of Departure: 03:55

Q 2 At 35 DME from VOMD, passing FL 120 weather radar shows heavy weather development over and around VOCB spreading southwards. Plan your flt to avoid VOCB by at least 25 nm. Seek permission.

Q 3. Passing F 270 over Apgun that at about 5 Nm you see an IAF fighter overtaking from right and turning sharply towards VOBG, climbing . Radio detailed msg.

Q 4 You are short final ILS apch R/w 09 that you see an aircraft on rwy. Take action... refer attachment.

Q 5. Transmit the following sentences of plain English in aviation language plirases and use proper phrases/ phraseologies as and when required.

- (a) VTRCF NC in Vis. VTRCF No change in visibility
- (b) ATA 0415. Actual time of arrival 0415
- (c) Com brfg must be taken. Communication briefing must be taken.
- (d) ATS route G705 is Awy. Air Traffic Service rte Golf seven zero fife is airway.
- (e) Mumbai twr REDL is too bright. Mumbai tower Runway Edge lights are too bright.
- (f) Watch Hours HJ (Sunrise to sunset)
- (g) VT-KJN RTN due TECR(returning due tech reasons)
- (h) VT-ESX req yr TOC (request your top of climb)
- (j) You must land before SS (sunset)
- (k) AD BCN is SVCBL (Aerodrome beacon is serviceable)

- (g) VT-KJN RTN due TECR (returning due tech reasons)
- (h) VT-ESX req yr TOC (request your top of climb)
- (j) You must land before SS (sunset)
- (k) AD BCN is SVCBL (Aerodrome beacon is serviceable)

Aircraft Identification: VT ZXD	Type of flt G,Flt Rules
Type of Aircraft: CHALLENGER Departure	I
Aerodrome: VEJS	Eqpt S
Route DCT GGC, R460LLK R594	Wake Turb cat M Level F 300
Aerodrome destination: VIDP Other	Time 0300
Information Chartered flt	Alternate VEBN

- 3 Answer all questions in ascending order and **Call out freq of txn on first contact and as and when required.**
- 4 Take RTF action for situations given below in ascending order.
- 5 Use hypothetical data, for message that require to be transmitted at specific time, candidate should write that specific time against question No on answer sheet.
- 6 Continue answering till you are told to "Go to next question".
- 7 Usage of Aviation Language and prescribed Phraseologies is mandatory.

Note FIS provided by designated unit(Kolkatta Information) on 124.7 Mhz

Q 1. Actual Time of Departure: 03:15 You are passing FL 240 for FL 280 through rain estimating GGC 03:55 , you get in contact with ATS unit. Pass necessary info and seek permission to climb to your filed level.Give proposal that will enable you to continue climb to your filed level with respect to traffic.

Q 2 You are 50 nm to GGC, Kol calls you. Answer the call and plan your flight in the organized route segment as you decide to continue to VIDP.

Q 3. You reach VILK at FL 230.

Q 4 You are carrying out ILS app for R/W 28 at Delhi . Crossing LOM you see a stationary veh on r/w. You decide to carry out Missed apch. Show prog compliance. Ref att.

Q 5. Transmit the following sentences of plain English in aviation language phrases and use proper phrases/ phraseologies as and when required.

- (a) G 457 is ADVR route
- (b)Flight in Cld can be unsafe.
- (c)We are returning due TECR.
- (d)VTESX rep ETO.
- (e)ITU issues RR.
- (f)VTTGB SDBY to RNN.
- (g)VDF freq is 127.9.
- (h)VTFOG Mntn 210 Kts.
- (j)VOR is unrel.
- (k)AI 667 exer ctn.

MDRI TWR VTJIM ON 122.8,PASS YOUR MSG
VIM,MDR TWR FIRE SVCS NOT AVLBL DUE CRASH TENDER U/S.
WILL NOT DEPART, RETURNING TO APRON, POSN LINK A, REQ TAXI INSTRS, V-IM
(NEXT Q)

MDRI TWR VT JIM,REQ EXPEDITE OUR DEPARTURE, FOREIGN DIGNITARIES ON BD
V-IM MDRI TWR CNFRM RDY FOR IMDT DEP
AFFIRM,RDY FOR IMDT DEP V-IM
V-IM, MDRI TWR,CLD TO LINE UP AND T/O,R/W 30
CLD TO LINE UP AND T/O , R/W 30,V-IM
(NEXT Q)

TRVM CTRL VT-JIM ON 120.6, POSN 35 DME OUT MDI, R 461,0410, PASSING FL 120 FOR 320, WILL ALTER TRACK FROM PRESENT POSN TO AVOID WX OVER COIMB, REQ REROUTE VIA DIRECT APGUN,DCT PEXAG,EST APGUN0430,PEXAG 0500 RQST PERMISSION,VIM

V-IM CONTACT APPROP AUTH FOR YOUR DIVERSION

CONTACTING BANG APCH ON 122.7,VIM

(NEXT Q)

CHENNAI CTRL,, VTJIM ON 118.9,AIRPROX,SAFETY NOT ASSURED, CITATION, POSN APGUN ,0430, CLIMBING PASSING FL 270 , DCT TR TO PEXAG, IMC,,TAS 350 KTS ,TIME OF INCIDENT 0425,AN IAF FIGHTER FLEW ON OUR RIGHTAT APPROX 5 NM,CLIMBING PHASE ON APPROX HDG 350 DEGREES, TURNED SHARPLY TOWARDS 050 DIRN,SIGHTED AT 3 O CLOCK,V-IM

VT JIM,CHENNAI CTRLL,RGR YOUR AIRPROX

(NEXT Q)

MUM TWR VTJIM ON 118.1,ON FINALS R/W 09, A/C ON RWY, GOING AROUND INITIATING MISSD APCH PROCEDURE CLMBNG S/A

RGR

MUM TWR V IM ONE DME IBOM TURNING RIGHT TO INTERCEPT RDL 110, BBB,, CMBG TO 2600 FT,VIM

RGR

MUM TWR V IM,RDL 110, 2600 FT, TURNING RIGHT, CMBG TO 3700 FT FOR HOLD OVER BBB

VIM MUM TWR, RWY CLEAR YOU CAN RETURN FOR ILS APP FROM O/H BBB

WILCO, WILL RETURN FOR ILS APCH FROM O/H BBB VIM

(NEXT Q)

Question 41
Chart No2

Aircraft Identification: VT XOB

Departure Aerodrome: VABP Aerodrome

destination: VEGY Other Information

VHF only, Flight Rule : Y

Wake Turb : LIGHT

Type of Aircraft: CESSNA

Time 03:20 Level: 110

Route W40,W33,VFR,R460

Alternate VEBN

Note: Take RTF action for situations given below in ascending order. Use hypothetical data, for message that require to be transmitted at specific time, candidate should write that specific time against question No on answer sheet.

Continue answering till you are told to "Go to next question".

Usage of Aviation Language and prescribed Phraseologies is mandatory.

Call out freq of first txn as and when required.

Q 1. (a) You are carrying out pre flight RADIO checks, there is no reply from ATC and you hear a hissing sound.

Q1 (b) You are taxiing, obtain ATC clearance.

Actual Time of Departure: 03:55

Q 2 25 nm short of Khajuraho at FL 110, contact next ATS unit .

Q 3. (a) 25 nm after crossing KKJ take permission to enter next air space.

Q 3. (b) You reach VIBN FL 90.

Q 4 On final runway 27, you experience Wind Shear, take action on landing.

Q 5. Transmit the following sentences of plain English in aviation language phrases and use proper phrases/ phraseologies as and when required. TMA is a _____ with more than _____ ATS routes.

Radio Regulations are issued by _____ with its HQ at _____.

In VFR the vis is _____ below 10000 ft, _____ km above 10000 ft and ceiling is _____.

In special VFR the ceiling is _____.

Transponder code for hijack is _____

1. DELHI TWRVT-LTT ON 118.1,req enroute clearance
VTLTT CLD TO JAMSHEDPUR FL 130 DEP R/W 28, LETPU ONE ALFA CROSS RADOM AT OR BELOW FL 100 (NEXT Q)
DEL TWR VT LTT CMBG S/A, 5 DME DPN TNG LEFT HDG 175 TO SOMAX
VTT CONTACT DEL APP 127.9
CHANG TO DEL APP 127.9
DEL APP VT LTT ON 127.9, CMBG S/A, 5 DME DPN TNG LEFT HDG 175 TO SOMAX
DEL APP V-TT ,X NG RDL 233 DPN ,PASSING FL 60
DEL APP V-TT TRNG LEFT RDL 299 ALI TO RADOM PASSING FL 70
VTT DEL APP REPORT LVL PASSING AND AIRSPEED
PASSING FLT LVL 70, IND AIRSPD 240 KTS,V-TT
RGR,DEL APCH
DEL APCH V-TT, XNG 61.5 DME TRNG RT TO ESTB RDL 162 DPN TO LETPU
(NEXT Q)
2.DELHI CTRL VT LLT ON 124.55, ATR,DEPARTED DELHI, POSN GWA,1005,F 130,WILL LEAVE YOUR AIRSPACE AT KKJ ,EST 1020,TAS 450 KTS, REQ PERMISSION FOR JOINING CLEARANCE AT KKJ EST KKJ 1020 VILOP NEXT ROUTE B209 FROM KKJ,ETA JAMSHEDPUR1130
VTT DEL CTRL, RGR CALL APPROP AUTH WHEN SHORT OF KKJ
WILCO VTT
KHAJ TWR VTLTT ON 122.3 ATR, FROM DEL TO JAMSHEDPUR, POSN 30 NM INTO KKJ,1015, FL 130,TAS 450 KTS, EST OH KKJ 1020, VILOP 1050 JAMSHED 1130, REQ JOINING CLEARANCE B 209
(NEXT Q)
3.KOL CTRL VTLTT on 120.75, pass your msg
VTLLT KOL CTRL JAMSHEDPUR AERODROME CLOSED DUE MAJ CRASH,CONFIRM INTENTIONS
Kol ctrl VTLTT, WILL ALTER TRACK AND DIVERT TO KOLKATTA,PSN 40 NM FROM LAPAN B209 1100, FL 130 EST JJS 1130,ETA CEA 1145 ROUTE B 209 REVISED EET 0230, END 4 HRS,REQ PERMISSION,VTLTT
CLD TO KOL, REPORT WHEN O/H KOL
WILCO VT LTT
(NEXT Q)
4.A/c : KOL TWR INDAIR 430 REPORTING INITIAL APCH FIX 22 DME CEA RADIAL 275 TURNING LEFT FOR 20 ARC DME ILS APCH R/W 19, LEAVING FL 50 FOR 4000FT (NOTE-GENERALLY THE ARC WILL BE FLOWN WITH AERODROME CONT)
APCH : RGR
A/C : KOL TWR COMMENCING ARC 4000 FT
APCH : RGR
A/c : KOL TWR, INDAIR 430,CROSSING LEAD RADIAL 001,LEAVING 4000FT FOR 2000 FT
APCH :RGR
A/C : KOL TWR INDAIR 430 REPORTING INTERMEDIATE FIX 2000 FT
A/C : KOL TWR, INDAIR 430 ESTABLISHED ON ILS R/W 19 LEFT
TWR : RGR
GO TO NEXT Q
(IF GIVEN IN PAPER THAT YOU ARE NOT VISUAL AT DH
...NOT VISUAL AT DECISION HEIGHT GOING AROUND AND INITIATING MISSED APCH PROCEDURE
NOTE:- THE CHART MAY BE USED ONLY FOR A MISSED APCH AS WELL--AS BRIEFED IN CLASS)

Note:

1. Take RTF action for situations given below in ascending order.
2. Use hypothetical data, for message that require to be transmitted at specific time, candidate should write that specific time against question No on answer sheet.
3. Continue answering till you are told to "Go to next question".
4. Usage of Aviation Language and prescribed Phraseologies is mandatory.

Q 1. (a) Obtain enroute clearance.

Q1 (b) Show progressive compliance to ATC clearance. Refer attachment.

Q 2 Time 1005. At Gwalior you decide DCT KKJ. Revise your plan and take permission.

Q 3. You are 40 Nm East of LAPAN, ATC calls you.

Q 4 CC clears you for 20 ARC DME for ILS Apch 19 L. Show progressive compliance and call out levels from initial apch fix (IAF) 22 DME radial 275. You are at FL 50 and handed over to AD ctrl. Refer to att (ILS CAT – I. Rwy 19L)

Q 5. Transmit the following sentences of plain English in aviation language phrases and use proper phrases/ phraseologies as and when required.

(a) VTRCF NC in Vis.

(b) ATA 0415.

(c) Com brfg must be taken..

(d) ATS route G705 is Awy.

(e) Mumbai twr REDL is too bright.

(f) Watch Hours HJ

(g) VT-KJN RTN due TECR

(h) VT-ESX req yr TOC

(j) You must land before SS

(k) AD BCN is SVCBL

KOL INFMN VT ZXD/CHLNGR ON 124.7, POSN 40 NM OUT OF JAMSHEDPUR, 0330, CMBG
PASSING FL 240, EST GGC 0355, TAS 450 KTS REQ FL 300 AND JOINING CLEARANCE R460
VXD CMB TO FL 280 DUE CONVERGING TFC OVER GGC VTFDB, BOMBARDIER F 300
EST GGC 0343 DESTN DELHI
WILL ARRANGE FLT TO CROSS GGC 0358 OR LATER
CLMB TO FL 300, CROSS GGC 0358 OR LATER
CLMBG TO FL 300 WILCO VXD
(NEXT Q)

KOL INFMN VT ZXD PASS YOUR MSG
VXD, KOL INFMN, VAR ATC GONE OFF AIR DUE MAJ FIRE, CONFIRM INTENTIONS
KOL INFMN, VXD, WILL ALTER TRACK TO LLK VIA B209, IFR, PRESENT POSN 50 NM TO
GGC, 0345, CMBG PASSING FL 270 FOR 300, ALTERING COURSE FOR DCT LAPAN
ROUTE B209, FL 240 KKJ, W40, LLK, FL 230, R594, DPN FL 240, , EST Xg W73E 0350, W73W
0355, LAPAN 0405, KKJ 0430, LLK 0500, ETA DELHI 0625, TOTAL EET 0230, ENDURANCE 4
HOURS, REVISED ALT KHAJURAHO, REQ PERMISSION AND DESCEND TO F 240,, V XD
VXD KOL INFMN, DES TO F 240, CONTACT NEXT ATC AUTH
LVNG F 300 FOR F 240, WILL CONTACT NAGPUR CTRL ON 123.9 VXD
Note A/c must des to f 240 or lower (even) lvl. Higher will take it into Vrnsi which is clsd.
NEXT Q)

DELHI CONT VT ZXD ON 125.55, , POSN LLK 0500, FL 230, CMBNG TO FL 240 EST
JALALABAD 0545, ETA DELHI 0625
VXD DEL CTRL CLRD TO SSB, OMIT JAL, ASK FOR DESCENT 30 NM INBOUND SSB
CLD TO SSB, WILL OMIT JAL, WILCO, VXD
DEL CTRL V XD, POSN 30 DME IN TO SSB 0600, REQ DESCENT
VXD DEL CTRL DESCEND TO F 100, REPORT OVER SSB
LVNG F 240 FOR 100, WILL REPORT OVER SSB, V XD
DEL CTRL VXD OVER SSB, F 100
VXD, DEL CTRL HOLD OVER SSB
ENTERING HOLD SSB, VXD
(NEXT Q)

DEL TWR VT ZXD ON 118.1, FINALS RWY 28, GOING AROUND, INITIATING MISSED
APCH DUE VEHICLE ON RWY
VXD DEL TWR RGR
DEL TWR VXD 5 DME DPN TRNG RT FOR HDG 345
DEL TWR V XD ESTABLISHED RDL 316 DPN, CMBNG F 65 FOR HOLD OVER SAM
VXD DEL TWR HOLD AT F 90
CMBNG TO F 90 VXD
DEL TWR VXD ENTERING SAM HOLD F 90
(Ref Delhi ILS chart rwy 28)
(NEXT Q)

Question 40

Chart 2

Aircraft Identification: VT LTT Departure

Aerodrome: VIDP

Route W 10 S GWR DCT KKJ B209

Aerodrome destination: VEJS Other
Information VHF only,

Chart No 2
Question 42

Aircraft Identification: AIR INDIA 618

Departure Aerodrome: VIDP

Time 10:15

Type of Aircraft: Airbus

Level: 350

Route O/f VIBN

Aerodrome destination: VECC

Other Information: Training flight VHF only

Alternate VIBN

Note:

Take RTF action for situations given below in ascending order.

Use hypothetical data, for message that require to be transmitted at specific time, candidate should write that specific time against question No on answer sheet.

Continue answering till you are told to "Go to next question".

Usage of Aviation Language and prescribed Phraseologies is mandatory.

Q 1a Runway in use is 10. Cross wind component is not within limits. Take action during Taxi.(May 12)

b Show progressive compliance for departure ALI 1 A (R/w 28).(REF ATT provided)

Q 2 You are routing Aligarh and passing FL 110, you calculate that you will be able to reach FL 350 at VILK.

Q 3 You are 40 nm inbound VIBN. Mode C failure occurs. Take action.

Q 4 While passing FL 130 for descent at Kolkatta, you experience hydraulic failure. (Slide 143)

Q 5 Expand and transmit the following in Aviation Phraseology:

RROM.

PIB under print

Sgn received by RCC

Rqst magnetic orientation of runway

Delhi is likely to have heavy fog.

SOLUTION

1(a) Bhopal twr, VTXOB on 123.5, no voice modulation heard kindly check your transmitter

VTXOB Bhopal Twr how do you read now

Reading you str 5 VTXOB

Next q

(if no joy then call Bhopal apch and say negative joy with Bhopal Twr radio check 123,321, how do you read)

1(b) **Bhopal Twr VTXOB on taxiway A, rqst ATC clearance**

VTXOB, Bhopal Twr Cleared to depart and set course to Gaya as per flt plan, Wind calm, R/W 05/33 confirm preference of runway.

Request r/w 05 for departure VTXOB

NEXT Q

Actual Time of Departure: 03:55

Khaj twr VTXOB on 122.3, posn 25 nm inbound KKJ time 0415, FL 110, EST KKJ 0430, BBN 0530 ETA Gaya 0600

VTXOB, Khaj Twr Rgr, estimates copied

NEXT Q

Varanasi cont VTXOB on 120.75, Bhopal to Gaya on W 33, posn 25 nm out of KKJ, time 0440, FL 110, crossing FIR bdy Mumbai Delhi, est BBN 0530 ETA Gaya 0600, rqst permission to enter Var airspace

VTXOB, Var Cont, rgr, report over BBN at FL 90

Will report over BBN at FL 90 VTXOB)

NEXT Q

Varanasi Apch VTXOB on 119.0, Bhopal to Gaya on W 33, posn overhead BBN time 0530 FL 90, ETA Gaya 0600

VTXOB, Var Apch, Gaya airport closed due runway blocked, confirm intentions.

Will land at Varanasi, change plan from IFR to VFR at time 0535, request descent to circuit altitude and visual apch, VTXOB)

NEXT Q

VARANASI TWR VTXOB ON 118.1, LANDED RUNWAY 27, WINDSHEAR REPORT, EXPERIENCED W/S ON FINALS RUNWAY 27 INTENSITY MODERATE, 2000 FT 2 NM FROM TOUCHDOWN,

RGR

NEXT Q

TMA is a CONT AREA with more than TWO ATS route.

Radio Regulations are issued by ITU with its HQ at GENEVA.

In VFR the vis is 5KM below 10000 ft, 8 km above _____ and ceiling is

300m.

In special VFR the ceiling is 300m.

Hijack 7500

HINTS Terminal Control Area A control area normally established at the confluence of airways in the vicinity of one or more major aerodromes.

VFR VIS 5000M DIST FROM CLOUD VERT 300M HOR 1500M

SPL VFR VIS UPTO 1.5 KM REST SAME

HRD(Hijack, radio, distress, 75,76,77)

SOLUTION

DELHI GROUND AIRINDIA 618/HEAVY ON 121.9, ON TAXIWAY ALPHA, REQUEST RUNWAY 10 FOR DEPARTURE DUE TO STRONG CROSS WIND COMPONENT

AIRINDIA 618 EXPECT DELAY OF 10 MINUTES FOR RUNWAY 28 DUE ARRIVAL REQUEST INTENTION

WILL TAKE DELAY AIRINDIA 618

RECLEARED TO HOLDING POINT R/W 28, TAXI VIA MIKE AND HOH TEL

RECLEARED TO HOLDING POINT R/W 28, TAXI VIA MIKE AND HOH TEL, AIRINDIA 618

NOTE: YOU MAY BE ASKED TO ASK FOR A CHANGE OF RUNWAY ON FINALS.

NEXT Q

Del Twr AI 618 departed r/w 28 cmbg SA, 5 DME DPN, tng left on track 175 to SOMAX

AI 618 Del Twr rgr chg over to Del apch on 127.9

Changing to del apch on 127.9 AI 618

Del apch AI 618 on 127.9, 5 DME DPN tng left on track 175 deg to SOMAX

Rgr del apch

Del apch, AI 618, Xng rdl 233 DPN, tng left to establish rdl 299 ALI

Rgr Del apch

Del apch, AI 618, rdl 299 ALI passing FL 50 rqst further climb to FL 350

AI 618 del apch report spd maintaining

IAS 240 kts AI 618

AI 618,Rgr cld cmb FL 100 further with del ctrl

Cld cmb FL 100, further with Del ctrl, AI 618

Next Q

DELHI CONTROL AI 618, POSITION ALIGARH 0530, CLIMBING PASSING FL 110, ESTIMATING KADAS 1045 LUCKNOW 1100, WILL BE ABLE TO REACH TOC FL 350 AT LLK

ROGER REPORT REACHING OVERHEAD LLK

WILCO AI618

NEXT Q

VARANASI CONTROL AI 618 0N 120.75, 40 NM INBOUND BBN, 1130 FL 350, UNABLE RVSM DUE EQPT, TRANSPONDER MODE C FAILURE, REQUEST DESCENT TO FL 270

NEXT Q

MAY DAY MAY DAY MAY DAY KOLKATTA APCH AI 618 ON 119.0, AIRBUS , HYDRAULIC FAILURE , WILL BE MAKING FORCE LANDING AT KOLKATTA , POSITION 30 NM INBOUND KOL , RADIAL 300 TIME 1145 FL 80 COURSE 120 SPEED 350 kts PERSONS ONBOARD 120 REQUEST FURTHER DESCENT

AI 618, KOL APCH, ROGER MAYDAY CLEARED DESCENT NO 1 TO LAND REPORT WHEN RUNWAY IN SIGHT

KOL APPROACH AI 430 WILL REPORT WHEN RUNWAY IN SIGHT

MAYDAY X 3, AI 618, RUNWAY IN SIGHT REQUEST FURTHER LANDING INSTRUCTION

AI 618, CLEARED TO LAND RUNWAY 19 L QNH 1009 REPORT WHEN LANDED

CLEARED TO LAND RUNWAY 19 L QNH 1009 WILL REPORT WHEN LANDED AI618

MAYDAY AI 618, CANCEL MAYDAY, LANDED safely, R/W 19L, time 1147

NEXT Q

RROM. (Report reaching outer marker)

PIB under print.(Pre flt info bulletin under print)

Sgn received by RCC.(Signal recd by Rescue Co-ord centre)

Rqst magnetic orientation of runway.(QFU)

Delhi is likely to have heavy fog.(Delhi trend dense fog)

Chart-6

Question 71

Take RTF action for situations given below in ascending order.

Use hypothetical data, for message that require to be transmitted at specific time, candidate should write that specific time against question No on answer sheet.

Continue answering till you are told to “Go to next question”.

Usage of Aviation Language and prescribed Phraseologies is mandatory.

Call out freq of your txn on first contact and as and when required

1(a). You are entering taxiway D. PCN of taxiway is lower than ACN. Take action.(**Stop slowly, and ask for fresh route to taxi**)

Fresh route involved 180 turn and repeat clearance

(b) Take off clearance not available due to tower frequency jammed.

(Call on anch freq and give unable contact due freq jammed)

2. You are airborne and passing FL 110 that you have altimeter failure. Take action.

Pan pan call cancel fit and return to Chennai, rqst descend

(Exmr says ignore and says report rdl 050 F 130

Now you have BCE announced by exmntr.

Now you have RCF unbalanced
run 15 mins and call out procedure rcf during cmb....20 mins at F130 and cmb to 350.

3. You are 30 Nms IB SADAP when you are instructed to extend your route for photography. Reroute as per the points given –

NATHALIA OBARA DOKET- and return.

-VATILALA-URARA-DURET- and

4. Over DOKET you hear an aircraft VTXYZ(Cessna) with engine running rough and trying to contact Vijayawada. Provide assistance

5 Listen to the paragraph, pen set aside

Answer

- (f) What was your call sign?
- (g) What alt were you required to cmb on r/w hdg?
- (h) How were you supposed to return to MMV and what alt?
- (i) What was the radial on which you had to set course and upto what alt.
- (j) Which direction would you turn to RNN and what was your final cleared level

VTAXC, Chen twr, cleared to line up and T/O rwy 30, aft dep cmb r/w hdg 3500 ft, make level proc turn to right, report over MMV, set course initially on rdl 350 till fl 80 thereafter turn left to RNN, cmbg FL 320

EXAMPLE OF FOLLOWING GIVEN EAT DURING RCF

(b) You reach SARSAWA at 0730. Del Ctrl gives you EAT 0815 for DPN and clears descent upto FL 80. Subsequently RCF takes place. Take progressive action to announce your arrival

Del Ctrl Al 830 on 124.550, Xmtg blind ,posn 20 nm out of SP,W35, 0740,FL150,ETA Del 0750, will report over DPN and hold till 0815, will transmit again 0755, I say again.....

Del Apch Al 830 on 127.9,Xmtg blind entering DPN hold FL 80 time 0810, will hold till 0815, I say again...

Del Apch Al830 Xmtg blind leaving DPN hold at 0815 for ILS apch r/w 27,
I say again.... Chg to del twr

Del Twr Al830 on 118.1 Xmtg blind leaving DPN hold at 0820 for ILS apch r/w 27,
I say again....

Aircraft Identification: VT KOP(changed to VTLOP IN Q1)

Type of Aircraft: ATR

Departure Aerodrome: VEKJ

Level: FL210/110

Route W40 LLK,r460,BBN, W73 E,vfr FL110 Flt Rule -Y

Aerodrome destination:VEJS

Wake turb cat-M

Other Information: Training flt

Alternate -VEBN

Take RTF action for situations given below in ascending order.

Use hypothetical data, for message that require to be transmit

ted at specific time, candidate should write that specific time against question No on answer sheet. Continue answering till you are told to "Go to next question".

Usage of Aviation Language and prescribed Phraseologies is mandatory.

Call out freq of your txn on first contact and as and when required

1.Due to technical reason there is a change of A/c at the last moment with regn VTLOP. You are ready to start engines and want to carry out three circuit and landings before proceeding for your flight.

2.(a) ATD -0150. Passing FL50 transiting through clouds for FL210 DME10, rdl from KKJ that you monitor one H/C 012 reporting 7 DME on rdl 025 to KKJ passing FL50 for lvl 3000 ft. take necessary aaction.

2(b). The reply given by ATC with regard to above situation is not acceptable to you. Give reason with reference to class of air space and service that should have been provided by ATC.

3. At 10 nm from VILK ,you want to maintain FL170 due turbulence, at VEBN, you decide to give practice ILS let-down to trainees.

4. At VEBN, you carry out last ILS apch and on turning inbound you decide to land without a fullstop and takeoff to proceed as per flight plan.

5. Fill in the blanks

a) AIP is published by _____, contains ----- essential for-----.

b) International NOTAMS are issued by -----.

c) Position report should be made when ----- or as soon as possible reaching-----/-----.

d) Operating information on routine air report contains ----- and -----.

e) QNE is -----.

SOLUTION-72

1. KKJ twr VTLOP, due to technical reasons we are operating VTLOP instead of VTKOP, stand 2, security check cleared, POB 05 will carry out three circuits and Idgs before proceeding for flt, req start.

VTLOP KKJ twr, QBI enforced, report intention.

Cancel req for C/L, will proceed as flt plan, VTLOP.

(Go to next question)

2 a) KKJ twr VTLOP, ATR air prox –safety not assured, psn 10 DME from KKJ rdl 015 passing FL 50 for FL210, IMC, TAS 230kts, TOI 0200, one H/C 012 monitored 7 DME on rdl 025 to KKJ passing FL50 for 3000ft, VTLOP.

VOP, H/C 012 is a VFR flt.(Go to next question)

b) KKJ twr, VOP, your reply is not accepted, this is a class D air space,you should have given tfc info about H/C 012, VOP (Go to next question)

3)BBN ACC,VTLOP on 120.75, psn 10 DME, outbound LLK, 0220, FL210 on R460, req descend and mntn FL170 due turb and practice ILS let down for trg purpose at Varanasi, est BBN 0240, req permission.

VOP BBN ACC, neg tfc, contact next ATC.

Will contact BBN App,VOP.

BBN APP, VTLOP on 119.0, psn 10DME outbound LLK, 0220 FL210 on R460, neg tfc with BBN ACC, req descend and mntn FL170 due turb and permission to practice ILS let down for trg purpose at Varanasi, VTLOP.

(Go to next question)

4. BBN twr VTLOP turning inbound for final ILS apch rwy 14, req TGL and set course for destination as per flt plan there after.

(Go to next question)

5. Fill in the blanks

a) AIP is published by AAI, contains general information of lasting character essential for air navigation.

b) International NOTAMS are issued by international NOTAM office at Delhi

c) Position report should be made when required by ATC or as soon as possible reaching NAV aid/ designated points.

d) Operating information on routine air report contains ETA and endurance.

e) QNE is 1013.25hp.

Chart-

Question -73

Aircraft Identification: VTYAB

Type of Aircraft: ATR

Departure Aerodrome: VEBS Level: 140/180

Route W49 KKJ, W40, LLK, R594, FL180 IFR

Flt Rule -Z Time: 0130

Aerodrome destination: VIDP Wake turb cat-M

Other Information Alternate -VILK

Take RTF action for situations given below in ascending order.

Use hypothetical data, for message that require to be transmitted at specific time, candidate should write that specific time against question No on answer sheet.

Continue answering till you are told to "Go to next question".

Usage of Aviation Language and prescribed Phraseologies is mandatory.

Call out freq of your txn on first contact and as and when required

1a) You are taxiing out that you see one A/C parked on disused runway being hit by a Indigo vehicle damaging its wing tip. File full details of the incident to the ATC.

1b) You are lined up and holding due another A/C taken off just in front of you. Seek permission for take off as you see the tfc.

2. ATD 0225. You reach OTABA and experience turb. You decide to change your cruising level.

3. You have crossed VECC/VABB FIR boundary, show compliance to the mandatory req.

4. a) You reach VILK. Seek permission to effect your flt plan.

4 b) You are 10 nmto SSB, passing FL60for FL50 that one passenger faints. You want to make a direct ILS landing.

5. Expand

a) WPC holds exam for RTR(A) COP

b) Prkg is pos btn the two A/C

c) RENL are svcbl but intst is low.

d) Mtn ROD 600 till alt 5000'

e) AIRAC is an imp publication.

SOLUTION-73

1a) BBS twr VTYAB on taxiway D, sighted an A/C citation, parked on disuse runway being hit on left wing tip damaged by indigo vehicle.

(Go to next question)

1b) BBS twr VTYAB lined up and holding on runway 14, departing A/C in sight, will maintain visual separation, ready for departure, VTYAB.

VTYAB, maintain your own separation, cleared for take off.

Will mntn own separation, cleared for take off, VTYAB.

(Go to next question)

2. CEA ACC VTYAB psn OTABA 0240 FL140 W49 est IBUDA 0250 KKJ 0300 experiencing turb, req descend FL120.

VAB, neg tfc with CEA, contact next ATC

Will contact NNP ACC VAB.

NNP ACC VTYAB on 123.9 psn OTABA 0240 FL140 W49 est IBUDA 0250 KKJ 0300, neg tfc with CEA ACC, req descend FL120 due turb.

VAB, descend 120.

Leaving FL140 for FL120, VAB.

(Go to next question)

3. KKJ twr VTYAB crossed IBUDA 0250 FL120 W49 est entering controlled boundary KKJ 0300, overhead KKJ 0310 and leaving KKJ boundary 0320, req transit clr.

VAB, report rdl.

Rdl 130 KKJ, VAB.

VAB, enter KKJ air space FL160 due tfc.

This is a VFR flt, unable to climb 160, VAB.

VAB, enter KKJ airspace on rdl 145 KKJ.

Will enter KKJ airspace 145 KKJ, changing back to NNP ACC , VAB.

(Go to next question)

4.a) LLK APP, VTYAB, psn LLK 0340, FL120, R594, cancelling VFR, changing over to IFR, leving FL120 for FL180, est JAL0350, SSB 0400, ETA delhi 0425.

4b) Pan-Pan x3, Delhi APP VTYAB one pax fainted, will land at Delhi, passing FL60 for FL50, req direct ILS apch rwy 09, req medical assistance on arr.

(Go to next question)

5. a) wireless and planning coordination wing holds exam for radio telephony restricted (aeromobile) certificate of proficiency.

b) parking is possible between the two aircrafts.

c) runway end lights are serviceable but intensity is low.

d) maintain rate of descent 600 ft per minute till altitude 5000 ft.

e) aeronautical information regulation and control is an important publication.

Chart- 4

Question - 74

Aircraft Identification: VT AZA Type of Aircraft: Citation.

Departure Aerodrome: VABP Level: FL 140

Route W10N BPL A791 FL 180 IFR

Flt Rule - Z CAT- M

Aerodrome destination: VEJS Time 0830

Other Information:

Alternate VI DP (FL 140)

Page | 5

Take RTF action for situations given below in ascending order.

Use hypothetical data, for message that require to be transmitted at specific time, candidate should write that specific time against question No on answer sheet.

Continue answering till you are told to "Go to next question".

Usage of Aviation Language and prescribed Phraseologies is mandatory.

Call out freq of your txn on first contact and as and when required

1.(a) You are taxiing out for departure that on the adjoining taxway you see a fuel tanker being driven with fuel leaking non stop from one outlet. Give detailed report and show your concern.

(b) You are approaching my holding point that you decide to climb FL 70 above the airfield before flying out.

2. ATD 0850, You pass FL 70

3. 15 nm from VABP at your cruising level you start experiencing severe turbulence. You decide to descend by 2000 ft. ATC channel is heavily occupied. Show prog compliance

4. O/H 1BUDA at 120 nm to VEJS, reqst descent to land.

5. Expand & transmit.

(a) X CVR has Xmtx and Rec

(b) A/c clr for FSL, WS in T/o path

(c) Coords are given in lat & long, not in dist

(d) AD VEJH is closed TFN

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(e) LLZ is left of RCL