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ENGLISH only

Open Skies Consultative Commission

US Chair of the OSCC Review Conference

SECOND OPEN SKIES REVIEW CONFERENCE (OSRC) 2010

7 to 9 June 2010

Working Session 1
Review and evaluation of Treaty implementation

CONDUCT OF OBSERVATION FLIGHTS AND MISSION PLANNING

TURKEY

OPEN SKIES CONDUCT OF OBSERVATION FLIGHTS AND MISSION PLANNING

1

OUTLINE

- General Provisions for The Conduct of Observation Flights
- Related OS Formats
- Requirements for Mission Planning
- Turkish version (Mission Planning)
- Turkish version (Mission Monitoring)

2

GENERAL PROVISIONS FOR THE CONDUCT OF OBSERVATION FLIGHTS

The observing Party shall notify the observed Party of its intention to conduct an observation flight, no less than 72 hours prior to the estimated time of arrival. F12

The observed Party that is notified shall acknowledge receipt of the notification within 24 hours. F13

3

GENERAL PROVISIONS FOR THE CONDUCT OF OBSERVATION FLIGHTS

The period from the estimated time of arrival until completion of the observation flight shall not exceed 96 hours, unless otherwise agreed.

Upon arrival of the observation aircraft the observed Party shall inspect the covers to confirm that they are in their proper position. F38

4

GENERAL PROVISIONS FOR THE CONDUCT OF OBSERVATION FLIGHTS

In the event that the observation aircraft is provided by the observing Party, the observed Party shall have the right to carry out the pre-flight inspection.
F3,4,8,35

The observed Party shall have the right to have on board the observation aircraft two flight monitors and one interpreter, in addition to one flight monitor for each sensor control station.

5

GENERAL PROVISIONS FOR THE CONDUCT OF OBSERVATION FLIGHTS

The observing Party shall ensure necessary linguistic ability to communicate in the language or languages notified by the observed Party.

The observed Party shall provide the most recent weather forecast and air navigation information and information on flight safety.

6

GENERAL PROVISIONS FOR THE CONDUCT OF OBSERVATION FLIGHTS

All observation aircraft shall be operated in accordance with the provisions of this Treaty and in accordance with the Approved flight plan.

Observation flights shall take priority over any regular air traffic.

7

GENERAL PROVISIONS FOR THE CONDUCT OF OBSERVATION FLIGHTS

The observing Party shall compile a mission report of the observation flight. F14

Prior to the departure the observed Party shall confirm that the covers are in their proper position. F38

RELATED OS FORMATS

- Format 3 (Technical information on optical and framing cameras)
- Format 4 (Technical information on video cameras)
- Format 8 (Designation/addition of an obsevation a/c type or model and its installed sensors)
- Format 12 (Notification of intent to conduct an observation flight)

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RELATED OS FORMATS

- Format 13 (Acknowledgement of receipt of notification of intent to conduct an observation flight)
- Format 14 (Mission report on observation flight)
- Format 15 (Mission plan on observation flight)
- Format 35 (Pre-flight inspection report)
- Format 38 (Inspection of sensor aperture covers)

10

REQUIREMENTS FOR MISSION PLANNING

The observing Party shall submit to the observed Party a mission plan for the proposed observation flight. F15

OPEN SKIES MISSION PLAN
1. OBSERVING STATE(S) PARTY(IES): _____
2. OBSERVING STATE(S) PARTY(IES): _____
_____
3. DATE AND TIME OF SUBMISSION
OF THE PROPOSED MISSION PLAN: _____
4. FINAL MISSION PLAN AGREED UPON?
(YES/NO) _____
5. IF NO AND FLIGHT IS DECLINED REASONS WHY:
_____
_____
_____
_____
_____
6. DATE AND TIME OF FINAL ACCEPTANCE/
AGREEMENT OF THE MISSION PLAN: _____
7. REPRESENTATIVE(S) OF OBSERVING STATE(S) PARTY(IES)
NAME(S): _____ _____
SIGNATURE(S): _____
8. REPRESENTATIVE(S) OF OBSERVED STATE(S) PARTY(IES)
NAME(S): _____ _____ _____
_____ _____
SIGNATURE(S): _____ _____ _____
_____ _____ _____

ANNEX TO OPEN SKIES MISSION PLAN

Segment No: ETD: TOTAL FLIGHT DISTANCE:

DEPARTURE AIRFIELD: COORDINATES:

LANDING AIRFIELD : COORDINATES:

REMARKS:

Leg No	End Latitude	End Longitude	TAS (km/h)	Estim Fl Time	Elev. E(ft)	Hmin (m)	True Heading	Desired Alt/ FL (100*ft) / (m)	Agreed FL (100*ft)	Sensor/Media Comb Allowed
1										
2										
3										
4										
5										
6										
7										

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REQUIREMENTS FOR MISSION PLANNING

The Mission Plan format consists of a cover sheet, an annex for each segment and an appendix to each annex.

An "Annex to Open Skies Mission Plan" shall be submitted for each segment.

Appendix to Annex to Open Skies Mission Plan.

12

REQUIREMENTS FOR MISSION PLANNING

The mission plan shall include all information necessary to file the flight plan and shall provide that: (Observation Flight)

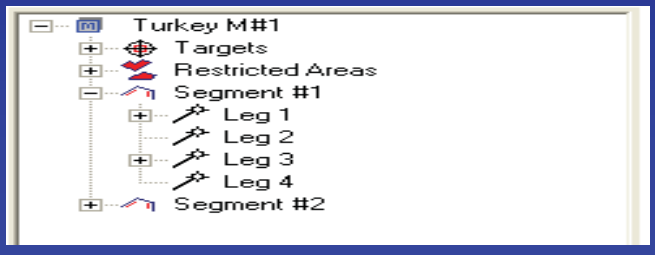
- does not exceed the relevant maximum flight distance,
- considers flight safety,
- considers hazardous airspace,
- considers the limitation on ground resolution,
- T/O no less than 24 hs after the submission,
- the observation aircraft flies a direct route.

13

REQUIREMENTS FOR MISSION PLANNING

No later than four hours after submission of the mission plan, the observed Party shall accept the mission plan or propose changes to it.

A Mission Plan is mainly composed of Segments,



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REQUIREMENTS FOR MISSION PLANNING

What is Segment ?

Segment is Part of mission, starting from Departure airfield and ending at Arrival airfield. Mission can have 1 or more segments.

A Segment is composed of Legs which are identified with their end Waypoint.

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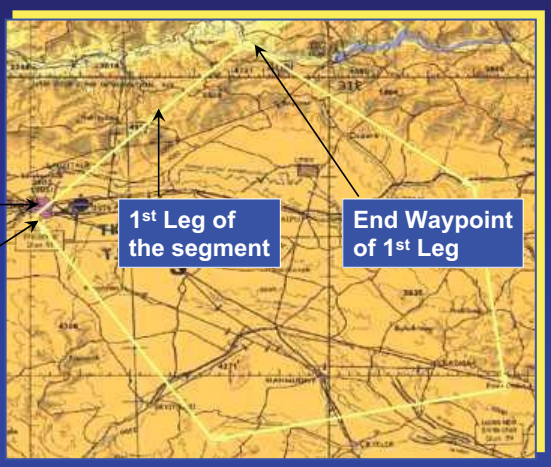
REQUIREMENTS FOR MISSION PLANNING

Segment composed of 5 Legs.



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REQUIREMENTS FOR MISSION PLANNING

Legs are categorized as
- Route Leg and
- Sensor Leg.

Route Leg is the leg which no sensor device is ON. In other words, preperation leg for following sensor leg.

Sensor Leg is the leg which sensor(s) turned on and off in different locations on leg.

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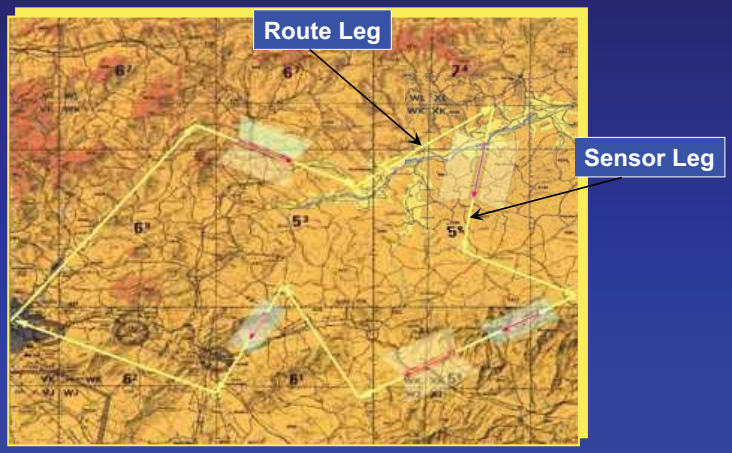
REQUIREMENTS FOR MISSION PLANNING



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REQUIREMENTS FOR MISSION PLANNING

On a Sensor Leg, the Leg Part between a sensor ON and OFF locations is called **Sensor Interval**.

More than one sensor is allowed to be ON during a sensor interval.

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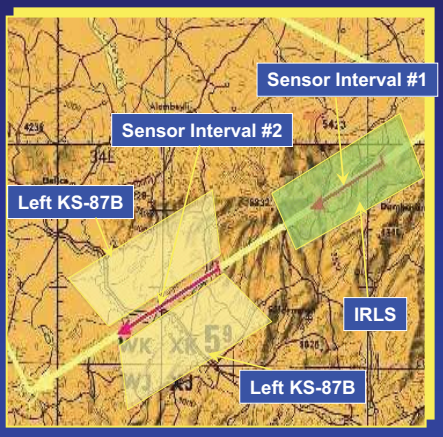
REQUIREMENTS FOR MISSION PLANNING

Dimmed areas around sensor intervals are **coverages** of specific sensors.



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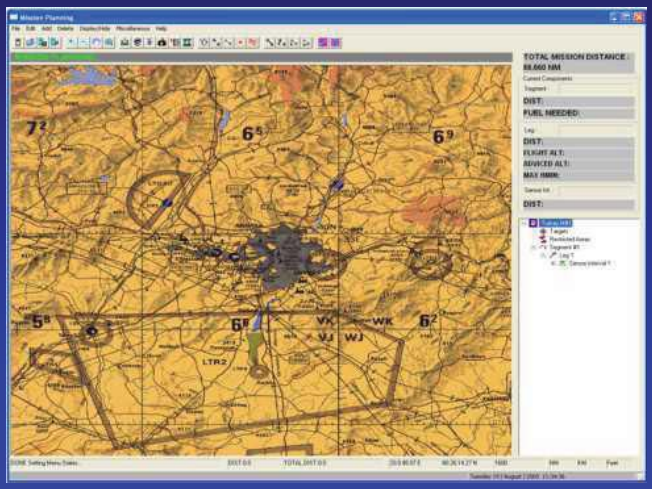
TURKISH VERSION (MISSION PLANNING)



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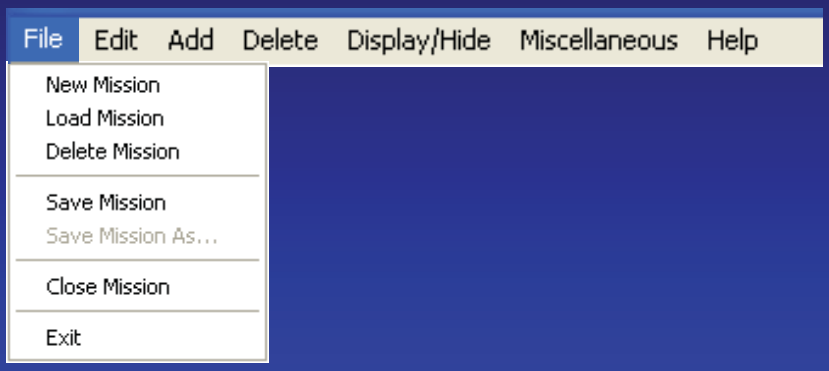
TURKISH VERSION (MISSION PLANNING)



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TURKISH VERSION (MISSION PLANNING)

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TURKISH VERSION (MISSION PLANNING)

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TURKISH VERSION (MISSION PLANNING)

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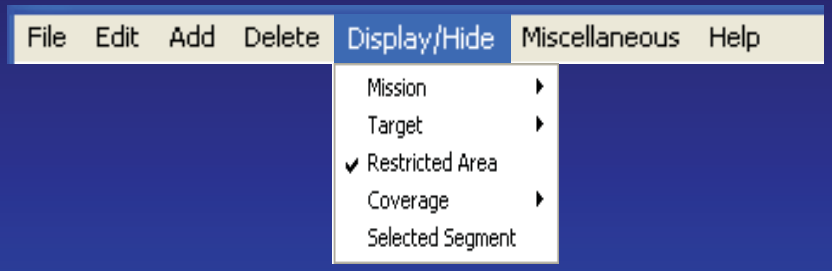
TURKISH VERSION (MISSION PLANNING)



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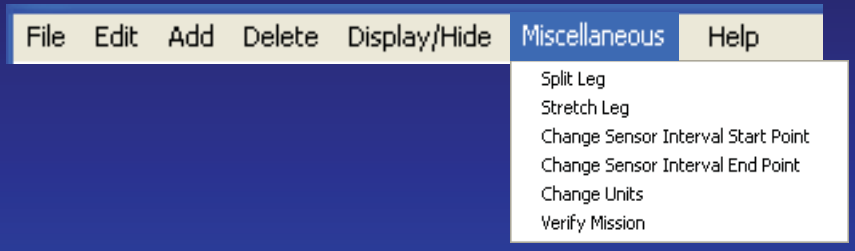
TURKISH VERSION (MISSION PLANNING)



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TURKISH VERSION (MISSION MONITORING)

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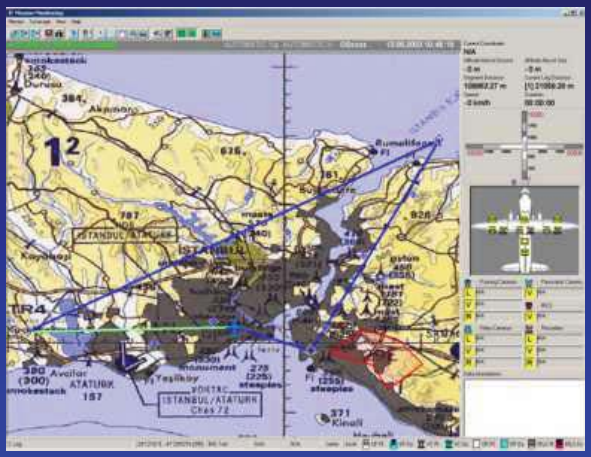
TURKISH VERSION
(MISSION MONITORING)



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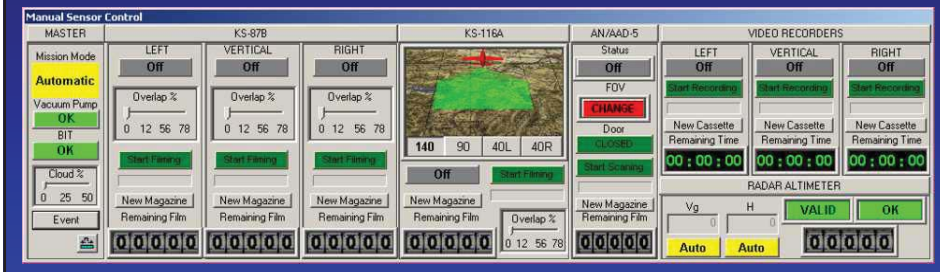
EXECUTING MISSION SEGMENT
MANUAL SENSOR CONTROL PANEL



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THE REPUBLIC OF TURKEY
OPEN SKIES
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