

I. Advance Boundary Information ABI

1. Purpose of the ABI Message

The ABI message satisfies the following operational requirements:

- Provide for acquisition of missing flight plan data;
- Provide advance boundary information and revisions thereto for the next ATC unit;
- Update the basic flight plan data;
- Facilitate early correlation of radar tracks;
- Facilitate accurate short-term sector load assessment;
- Request the assignment of an SSR code from the unit to which the above notification is sent, if required.

The ABI is a notification message.

2. Message Contents

The ABI message shall contain the following items of data:

- Message Type;
- Message Number;
- Aircraft Identification;
- SSR Mode and Code (if available);
- Departure Aerodrome;
- Estimate Data;
- Destination Aerodrome;
- Number and Type of Aircraft;
- Type of Flight;
- Equipment Capability and Status.

If bilaterally agreed, the ABI message shall contain any of the following items of data:

- Route;
- Other Flight Plan Data.

3. Example

- (ABIOMAE/OMSJ578-ABY464/A5476-VIDP-MAXMO/0032F100-OMSJ-9/A320/M-15/N0457F360 OBDAG LUN G333 TIGER/N0454F380 G452 RK G214 PG G665 ASVIB M561 MOBET/N0409F260 A419 DARAX -80/S-81/W/EQ Y/EQ U/NO R/EQ/A1B1C1D1L1O1S1)

II. Activate ACT

1. Purpose of the ABI Message

The ACT message satisfies the following operational requirements:

- Replace the verbal boundary estimate by transmitting automatically details of a flight from one ATC unit to the next prior to the transfer of control;
- Update the basic flight plan data in the receiving ATC unit with the most recent information;
- Facilitate distribution and display of flight plan data within the receiving ATC unit to the working positions involved;
- Enable display of correlation in the receiving ATC unit;
- Provide transfer conditions to the receiving ATC unit.

2. Message Contents

The ACT message shall contain the following items of data:

- Message Type;
- Message Number;
- Aircraft Identification;
- SSR Mode and Code;
- Departure Aerodrome;
- Estimate Data;
- Destination Aerodrome;
- Number and Type of Aircraft;
- Type of Flight;
- Equipment Capability and Status.

If bilaterally agreed, the ACT message shall contain any of the following items of data:

- Route;
- Other Flight Plan Data;
- Actual Take-Off Time.

Note: The Actual Take-Off Time is normally used in the cases where the ACT follows a PAC message that included the Estimated Take-Off Time.

3. Example

- (ACTOMAE/OMSJ727-ABY604/A7306-HEBA-ALRAR/0130F110-OMSJ-9/A320/M-15/N0428F250 DCT NOZ A727 CVO/N0461F350 UL677 MENLI UN697 NWB W733 METSA UB411 ASH G669 TOKLU UP559 ASPAK/N0438F290 UP559 NALPO P559 ITGIB/N0409F230 P559 -80/S-81/W/EQ Y/EQ U/NO R/EQ/A1B1C1D1L1O1S1)

III. Revision Message REV

1. Purpose of the REV Message

The REV message is used to transmit revisions to co-ordination data previously sent in an ACT message provided that the accepting unit does not change as a result of the modification.

2. Message Contents

The REV message shall contain the following items of data:

- Message Type;
- Message Number;
- Aircraft Identification;
- Departure Aerodrome;
- Estimate Data and/or Co-ordination point;
- Destination Aerodrome;

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Note: The Estimate Data contained in the REV has to include complete data the Estimate Data field in order to eliminate any ambiguity regarding the transfer elements. If the ACT message included the supplementary flight level, the following REV message will include the supplementary flight level if still applicable.

The REV message shall contain the following items of data if they have changed:

- SSR Mode and Code;
- Equipment Capability and Status.

If bilaterally agreed, the REV message shall contain any of the following items of data, if they have changed:

- Route.

If bilaterally agreed, the REV message shall contain any of the following items of data:

- Message Reference.

3. Example

- (REVBC/P873-UAE4486-OMDB-TUMAK/2201F360-LERT-81/Y/NO
U/EQ)

IV. Preliminary Activation PAC

1. Purpose of the PAC Message

The PAC message satisfies the following operational requirements:

- Notification and pre-departure co-ordination of a flight where the time of flight from departure to the COP is less than that which would be required to comply with the agreed time parameters for ACT message transmission;
- Notification and pre-departure co-ordination of a flight by a local (aerodrome /approach control) unit to the next unit that will take control of the flight;
- Provide for acquisition of missing flight plan data in case of discrepancies in the initial distribution of flight plan data;
- Request the assignment of an SSR code from the unit to which the above notification/coordination is sent

2. Message Contents

The PAC message shall contain the following items of data:

- Message Type;
- Message Number;
- Aircraft Identification;
- SSR Mode and Code;
- Departure Aerodrome;
- Estimated Take-Off Time or Estimate Data;
- Destination Aerodrome;
- Number and Type of Aircraft;

A PAC message sent from a TMA control unit or an ACC shall contain the following items of data:

- Type of Flight;
- Equipment Capability and Status.

If bilaterally agreed, the PAC message shall contain any of the following items of data:

- Route;
- Other Flight Plan Data;
- Message Reference.

3. Example

- (PACOMSJ/OMAE292-SQC7365/A9999-OMSJ0020-WSSS-9/B744/H-15/N0505F310 DCT RIKET B525 LALDO B505 NADSO A777 VAXIM P307 PARAR N571 VIRAM/N0505F330 N571 LAGOG/M084F330 N571 IGOGU/M084F350 N571 GUNIP/N0500F350 R467 -80/S-81/W/EQ Y/EQ U/NO R/EQ/)

V. Message for the Abrogation of Co-ordination MAC

1. Purpose of the MAC Message

A MAC message is used to indicate to the receiving unit that the co-ordination or notification previously effected for a flight is being abrogated.

The MAC is not a replacement for a Cancellation (CNL) message, as defined by ICAO, and therefore, shall not be used to erase the basic flight plan data.

2. Message Contents

The MAC message shall contain the following items of data:

- Message Type;
- Message Number;
- Aircraft Identification;
- Departure Aerodrome;
- Co-ordination point;
- Destination Aerodrome;

If bilaterally agreed, the MAC message shall contain any of the following items of data:

- Message Reference;
- Co-ordination Status and Reason

3. Example

- (MACAM/BC112 AM/BC105-HOZ3188-EHAM-NIK-LFPG-18/STA/INITFL)

VI. SSR Code Assignment Message COD

1. Purpose of the COD Message

The Originating Region Code Allocation Method (ORCAM) is provided to permit a flight to respond on the same code to successive units within a participating area. Unless code allocation is performed centrally, e.g. by an ACC, airports may need to be individually allocated a set of discrete SSR codes. Such allocations are very wasteful of codes.

The COD message satisfies the operational requirement for the issue of a Mode A SSR code by one Air Traffic Service Unit to another for a specified flight when requested.

The COD message also satisfies the operational requirement to inform the transferring Air Traffic Service Unit of the next Mode A SSR code when the code assigned cannot be retained by the accepting Air Traffic Service Unit.

2. Message Contents

The COD message shall contain the following items of data:

- Message Type;
- Message Number;
- Aircraft Identification;
- SSR Mode and Code;
- Departure Aerodrome;
- Destination Aerodrome;

If bilaterally agreed, the COD message shall contain any of the following items of data:

- Message Reference.

3. Example

- (CODOMAE/OMSJ720-ABY567/A3450-OMSJ-OAKB)

VII. Arrival Management Message AMA

1. Purpose of the AMA Message

Arrival management requires the capability for an accepting unit to pass to the transferring unit information on the time that a flight is required to delay (lose) or gain in order to optimise the approach sequence.

The AMA message satisfies the following operational requirements in order to alleviate ATC workload in co-ordinating arriving flights:

- Provide the transferring ATC unit with the time that the flight is to delay/gain at the arrival management metering fix;
- Where procedures have been bilaterally agreed between the units concerned, provide the transferring ATC unit with a target time for the flight to be at the COP;
- When bilaterally agreed, provide the transferring unit with a speed advisory. The speed advisory needs to be communicated to the flight, prior to transfer.

2. Message Contents

The AMA message shall contain the following items of data:

- Message Type;
- Message Number;
- Aircraft Identification;
- Departure Aerodrome;
- Destination Aerodrome;

and based on bilateral agreement, contain one or more of the following items of data:

- Metering Fix and Time over Metering Fix;
- Total Time to Lose or Gain;
- Time at COP;
- Assigned speed;
- Application point;
- Route;
- Arrival sequence number

Note: The item Route contains the requested routing

3. Example

- (AMAM/BN112-AZA354-LIRF-CLS/0956-LEMD-18/MFX/PRADO
TOM/1022 TTL/12)

VIII. Logical Acknowledgement Message LAM

4. Purpose of the LAM Message

The LAM is the means by which the receipt and safeguarding of a transmitted message is indicated to the sending unit by the receiving unit.

The LAM processing provides the ATC staff at the transferring unit with the following:

- A warning when no acknowledgement has been received;
- An indication that the message being acknowledged has been received, processed successfully, found free of errors, stored and, where relevant, is available for presentation to the appropriate working position(s).

5. Message Contents

The LAM message shall contain the following items of data:

- Message Type;
- Message Number;
- Message Reference.

6. Example

- (LAMOMSJ/OMAE939OMAE/OMSJ718)