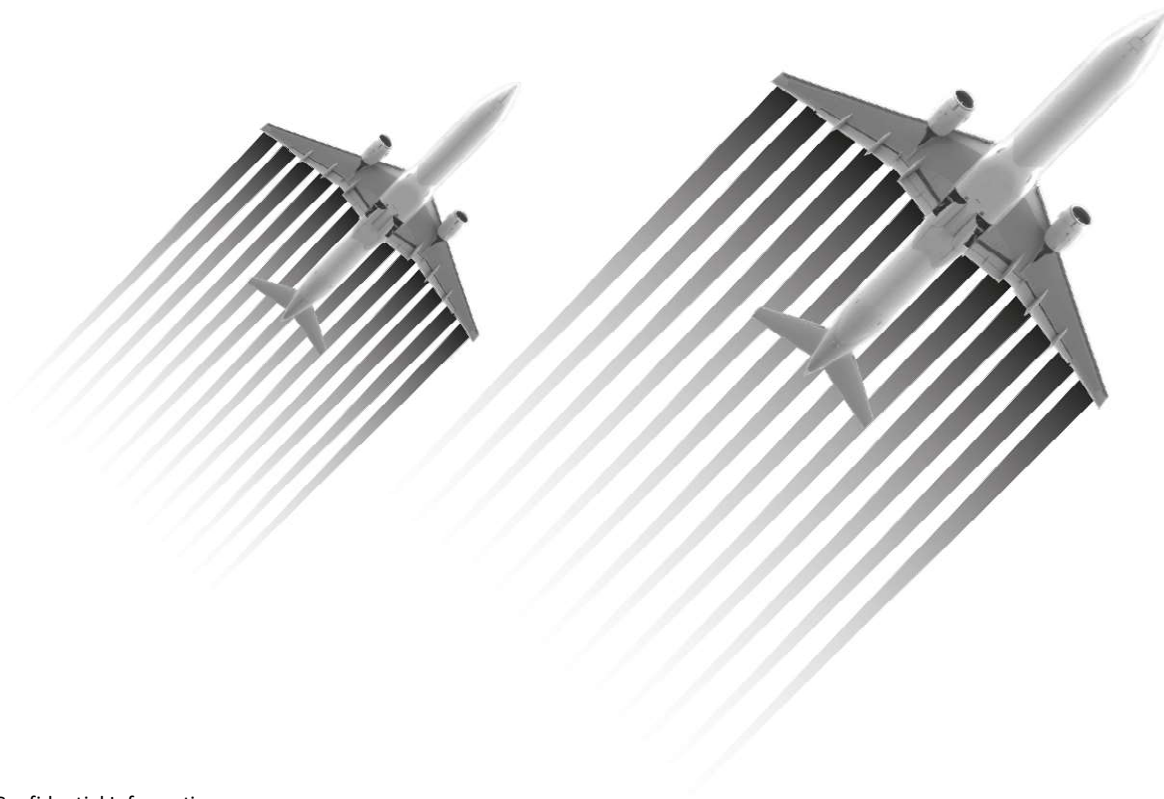


New MCT Industry Mandate Record Layout

***Note: This record layout is intended for quick reference only.
Further information regarding the Definitions and Application of MCT data can be found in the
IATA SSIM Manual, Chapter 8.***



Overview

- The Minimum Connection Time file, required to construct transfer connections, contains worldwide minimum connecting times information as specified by IATA rules. Also included is carrier specific information as specified by airlines.
- This new file structure for maintaining Minimum Connecting Times was agreed by the airline industry and implemented in October 2019.
- The emphasis has changed to what MCTs are required by each carrier, rather than including many exceptions to a small number of basic records.
- The change in emphasis was partly made possible by including codeshare information with the option of marking the carrier as either operating or marketing.
- With the use of DEI 050s on their schedules and matching their operator's dep/arr details a marketing carrier no longer would need to file their own MCTs.
- Global suppressions are now possible.
- There are 4 Record Types contained within the file:
 - Record Type 1 – Header Record – Appears only once at the start of the file.
 - Record Type 2 – MCT Data – All MCT data records are this record type.
 - Record Type 3 – Connection Building Filter – Used by carriers.
 - Record Type 4 – Trailer Record – Appears once at the end of the file.

Records Layout

Header Record – Record Type 1

The purpose of this record is to assure the data set is being correctly read and defines the data source. The record has a standard length of 200 bytes broken into the following fields:

Field	Field Name	Type	No. of Bytes	Position
1.	Record Type	Numeric	1	1
2.	Title of Contents	Character	30	2-31
3.	Creator Reference	Character	35	32-66
4.	Creation Date (UTC)	Character	7	67-73
5.	Creation Time (UTC)	Numeric	4	74-77
6.	Content Indicator	Character	1	78
7.	Spare	Blank Fill	116	79-194
8.	Record Serial Number	Numeric	6	195-200

MCT Record – Record Type 2

The record gives the MCT details for each station and for each suppression by the Submitting Carrier. The record has the standard length of 200 Bytes broken into the following fields:

Field	Field Name	Type	No. of Bytes	Position
1.	Record Type	Numeric	1	1
2.	Arrival Station	Character	3	2-4
3.	Time (HHMM)	Numeric	4	5-8
4.	International/Domestic Status	Character	2	9-10
5.	Departure Station	Character	3	11-13
6.	Arrival Carrier	Character	2	14-15
7.	Arrival Codeshare Indicator	Character	1	16
8.	Arrival Codeshare Operating Carrier	Character	2	17-18
9.	Departure Carrier	Character	2	19-20
10.	Departure Codeshare Indicator	Character	1	21
11.	Departure Codeshare Operating Carrier	Character	2	22-23
12.	Arrival Aircraft Type	Character	3	24-26
13.	Arrival Aircraft Body	Character	1	27
14.	Departure Aircraft Type	Character	3	28-30
15.	Departure Aircraft Body	Character	1	31
16.	Arrival Terminal	Character	2	32-33
17.	Departure Terminal	Character	2	34-35
18.	Previous Country	Character	2	36-37
19.	Previous Station	Character	3	38-40
20.	Next Country	Character	2	41-42
21.	Next Station	Character	3	43-45
22.	Arrival Flight Number Range Start	Numeric	4	46-49
23.	Arrival Flight Number Range End	Numeric	4	50-53
24.	Departure Flight Number Range Start	Numeric	4	54-57
25.	Departure Flight Number Range End	Numeric	4	58-61
26.	Previous State	Character	2	62-63
27.	Next State	Character	2	64-65
28.	Previous Region	Character	3	66-68
29.	Next Region	Character	3	69-71

Field	Field Name	Type	No. of Bytes	Position
30.	Effective From Date (Local)	Character	7	72-78
31.	Effective To Date (Local)	Character	7	79-85
32.	Spare		1	86
33.	Suppression Indicator	Character	1	87
34.	Suppression Region	Character	3	88-90
35.	Suppression Country	Character	2	91-92
36.	Suppression State	Character	2	93-94
37.	Submitting Carrier Identifier	Character	2	95-96
38.	Filing Date (Local)	Character	7	97-103
39.	Action Indicator (always blank)		1	104
40.	Spare	Blank Fill	90	105-194
41.	Record Serial Number		6	195-200

MCT Record – Record Type 3 (Used for the connection-building filter)

The record defines the carrier(s) that are allowed to connect with the submitting carrier. Multiple records may exist for a single submitting carrier. The record has a standard length of 200 bytes broken into the following fields:

Field	Field Name	Type	No. of Bytes	Position
1.	Record Type	Numeric	1	1
2.	Submitting Airline Designator	Character	3	2-4
3.	Allow Airline Designator	Character	190	5-194
4	Serial Number Check Reference	Numeric	6	195-200

Trailer Record – Record Type 4

The record defines the end of the data. The record has a standard length of 200 bytes broken into the following fields:

Field	Field Name	Type	No. of Bytes	Position
1.	Record Type	Numeric	1	1
2.	Spare	Blank Fill	192	2-193
3.	End Code	Character	1	194
4	Serial Number Check Reference	Numeric	6	195-200

File Explanation for Record Type 2

1. Record Type

Record Type 2 – MCT Data – All MCT data records are this record type

2. Arrival Station

The Arrival Station codes are the airport codes assigned by IATA. (e.g. ORD = O'Hare International Airport, Chicago).

3. Time

MCT time is the minimum connecting time as specified by IATA in hours and minutes (e.g. 0130 = 1 hr. 30 mins).

A blank connection time indicates that a connection that matches the specific information on that record must not be generated. The Suppression Indicator field will also be set to 'Y'

4. International/Domestic Status

MCT Status is as follows:

DD = Domestic to Domestic

DI = Domestic to International

ID = International to Domestic

II = International to International.

Position 9 is for arrival status, position 10 = departure status.

5. Departure Station

Important where a change of Airport occurs (e.g. Arr. at LHR Dep. from LGW).

6. Arrival Carrier

The Airline arrival codes are the airline code assigned by IATA. (e.g. AA = American Airlines).

7. Arrival Codeshare Indicator

When the 'Y' is present the MCT applies specifically to codeshare flights

8. Arrival Codeshare Operating Carrier

If populated specifies the operating carrier of the MCT. May be blank.

9. Departure Carrier

The Departure Airline codes are the airline code assigned by IATA. (e.g. UA = United Airlines).

10. Departure Codeshare Indicator

When the 'Y' is present the MCT applies specifically to codeshare flights

11. Departure Codeshare Operating Carrier

If populated specifies the operating carrier of the MCT. May be blank.

12. Arrival Aircraft Type

Arrival Aircraft Type shows input aircraft types.

13. Arrival Aircraft Body

W = Wide bodied and N = Narrow bodied aircraft respectively.

14. Departure Aircraft Type

Arrival Aircraft Type shows input aircraft types.

15. Departure Aircraft Body

W = Wide bodied and N = Narrow bodied aircraft respectively.

16. Arrival Terminal

The Arrival Terminal Code is the terminal code assigned by IATA.

17. Departure Terminal

The Departure Terminal Code is the terminal code assigned by IATA.

18. Previous Country

The previous country code is the country code assigned by IATA. (e.g. GB = United Kingdom).

19. Previous Station

The previous airport code is the airport code assigned by IATA. (e.g. EWR = Newark, New Jersey).

20. Next Country

The next country code is the country code assigned by IATA. (e.g. US = United States).

21. Next Station

The next airport code is the airport code assigned by IATA. (e.g. EWR = Newark, New Jersey).

22. Arrival Flight Number Range Start

To specify a specific flight number or flight range for the arrival carrier. Flight numbers will be 4 digits and include leading zeros

23. Arrival Flight Number Range End

To specify a specific flight number or flight range for the arrival carrier. When an MCT is filed for one specific flight the this will match the flight number specified in Arrival Flight Number Range Start. Flight numbers will be 4 digits and include leading zeros.

24. Departure Flight Number Range Start

To specify a specific flight number or flight range for the arrival carrier. Flight numbers will be 4 digits and include leading zeros.

25. Departure Flight Number Range End

To specify a specific flight number or flight range for the arrival carrier. When an MCT is filed for one specific flight the this will match the flight number specified in Departure Flight Number Range Start. Flight numbers will be 4 digits and include leading zeros.

26. Previous State

The Previous State code is the 2 character state code held for applicable countries e.g. NS for New South Wales in the Australia.

27. Next State

The Next State code is the 2 character state code held for applicable countries e.g. LA for Louisiana in the US.

28. Previous Region

The Previous Region codes specified in Appendix H. e.g. EUR for Europe

29. Next Region

The Previous Region codes specified in Appendix H. e.g. SCH for Europe

30. Effective 'From' Date

This is the date in format DDMMYY that the MCT becomes effective.

31. Effective 'To' Date

This is the last date in format DDMMYY that the MCT is in effect.

32. Spare

Intentionally blank

33. Suppression Indicator

Indicates whether connections should be suppressed or not. May be 'Y', 'N' or blank.

34. Suppression Region

Indicates the region where the suppression will occur.

35. Suppression Country

Indicates the country where the suppression will occur.

36. Suppression State

Indicates the State where the suppression will occur.

37. Submitting Carrier Identifier

The 2-Character Airline Designator of the carrier who submitted the MCT.

38. Filing Date (Local)

Indicates the date OAG processed the MCT onto the database.

38. Filing Date (Local)

Indicates the date OAG processed the MCT onto the database.

39. Action Indicator

Always blank. Not applicable for a global file

40. Spare

Intentionally blank

41. Record Serial Number

Line number of the record