

MIR for Electronic Miscellaneous Documents (EMD)

Product Advisory Number:	1237				
Version:	04				
Load To Production (Galileo™ Only):	09-Jan-12	22:00	EST	03:00 (10-Jan)	GMT
Load To Production (Apollo™ Only):	23-Apr-12	22:00	EDT	02:00 (24-Apr)	GMT
High Level Description:	The Electronic Miscellaneous Document (EMD) is the industry standard document for the fulfillment of optional services. New MIR specifications to enable agency mid/back office systems to capture data for EMD Issue, Void, Refund (Galileo only) and Exchange (future load to production).				
Impact Summary:	Subscribers to the Apollo and Galileo MIR.				
	Apollo ONLY – EMD MIR changes for Issue and Void are being loaded to production in readiness of future EMD implementations by Country, BSP and Airline. It is recommended that Apollo MIR users keep all EMD options in their MIR Type Table and MIR Options Table at the default setting of 'N' (No) until EMD is implemented in the user's Country/BSP and the user's mid/back office systems are ready to accept the EMD MIR.				
	Galileo REMINDER – EMD MIR changes for Issue, Void and Refund loaded to production on 09-JAN-12, in readiness of future EMD implementations by Country, BSP and Airline. It is recommended that Galileo MIR users keep all EMD options in their MIR Type Table and MIR Options Table at the default setting of 'N' (No) until EMD is implemented in the user's Country/BSP and the user's mid/back office systems are ready to accept the EMD MIR.				
Reason For Issue:	Update: Add EMD Exchange MIR specification for Galileo (section 7) and Apollo (section 8). Load to Copy and Production dates for EMD Exchange to be advised.				
Customer Impact:	<input type="checkbox"/>	Internal Only	<input checked="" type="checkbox"/>	Developers	
	<input checked="" type="checkbox"/>	Agency Customers	<input type="checkbox"/>	Airline Customers	
	<input checked="" type="checkbox"/>	eCommerce Customers	<input type="checkbox"/>	Car, Hotel, Rail or Cruise Customers	
System:	<input checked="" type="checkbox"/>	Galileo			
	<input checked="" type="checkbox"/>	Apollo			
	<input type="checkbox"/>	Worldspan			

Load To Copy:	Available now
Web Services: (API and Messaging)	Not applicable
Issue History:	Version 01 – Issued 13-Jul-11 Version 02 – Issued 09-Jan-12 Version 03 – Issued 16-Apr-12

Overview

The Electronic Miscellaneous Document or EMD is the industry standard document for fulfillment of Optional Services. The EMD will replace miscellaneous documents such as Miscellaneous Charge Order (MCO), Multi Purpose Document (MPD), Excess Baggage Ticket and Tour Order which are used in the industry today. The EMD is an *electronic* document similar to an Electronic Ticket.

The purpose of this document is to advise new MIR specifications for EMD Issue, Void, Refund (Galileo only) and Exchange (future release). Beyond new MIR sections created especially for EMD, additional formatting for the EMD MIR is closely aligned and mapped to existing MIR sections.

Refer to PA 1183 for further information about EMD.

Customer Benefit

- EMD will provide an automated fulfillment process for Optional Services.
- EMD is *electronic*.
- EMD MIR will collect and transmit data to print documents, update accounting records, produce internal reports and deliver corporate travel and expense reports.
- EMD MIR can be switched on or off as required by the agency mid/back office system.

Detail and Customer Examples

The MIR message facilitates the exchange of data between the Apollo and Galileo Host System and the Agency Mid/Back Office System. The following new MIR specifications will enable agency mid/back office systems to capture transaction data for an EMD Issue, Void, Refund (Galileo only) and Exchange (future release).

The data exchange between the Apollo and Galileo Host System and the Agency Mid/Back Office System will be via enhancements to the current MIR Type (MMTD) and MIR Options (MMOD) tables.

MIR Type Table (MMTD)

The MIR Type table will allow MIR users the option to receive or not receive an EMD MIR transmission. The EMD MIR will be controlled by a Yes/No (Y/N) indicator settings within the MIR Type table. This table is resident at the Pseudo City Code (PCC) level.

MIR Options Table (MMOD)

The MIR Options table will allow the MIR user with options to receive or not receive specific sections of the EMD MIR. The individual EMD MIR data sections will be controlled by Yes/No (Y/N) indicators settings within the MIR Options table. This table is resident at the Pseudo City Code (PCC) level.

New Indicators in the MIR Type and MIR Options Table**EMD**

This MIR Type represents the Electronic Miscellaneous Document (EMD).

E MISC DOC (EMD)

This MIR Option represents the new A29 EMD Data Section in the EMD MIR.

E MISC DOC (CPN)

This MIR Option represents the new A30 EMD Coupon Data Section in the EMD MIR.

E MISC DOC (SVC)

This MIR Option represents the new auxiliary service segment (SVC) data for optional services in the A16 (Auxiliary Segments) section of the MIR.

E MISC DOC (SSR)

This MIR Option represents the new special service request (SSR) data for automated optional services (ASVC) in the A20 (SSR/OSI Data) section of the MIR.

The default settings will be 'N' (No) for MIR Type EMD and MIR Options E MISC DOC (EMD), E MISC DOC (CPN), E MISC DOC (SVC) and E MISC DOC (SSR).

Sample Apollo MIR Type Table

[illegible]

Sample Apollo MIR Options Table

	1	2	3	4	5	6
	1234567890123456789012345678901234567890123456789012345678901234					
01	>MMOU	MIR OPTIONS TABLE	- GK5	15APR		
02	CUSTOMER REMARKS	-Y FREQUENT FLYER	-Y WAITLIST INFO	-Y		
03	SEAT DATA	-Y FARE CONST.	-Y REMARKS UN/ASSOC	-Y		
04	LEISURE SHOPPER	-Y MIR 12 HOUR CLOCK	-Y ETDN INFO	-Y		
05	REFUND DATA	-Y MISCELLANEOUS DOC	-Y	E MISC DOC (EMD)	--N	
06	CC MASKED	-Y	E MISC DOC (CPN)	--N	E MISC DOC (SVC)	--N
07	E MISC DOC (SSR)	--N				
08						
09						
10						
11						
12						
13	>					
14						
15						

Sample Galileo MIR Type Table

	1									2									3									4									5									6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	

Sample Galileo MIR Options Table

	1	2	3	4	5	6
	1234567890123456789012345678901234567890123456789012345678901234					
01	>MMOU					
02	MIR OPTIONS TABLE - X6L 15APR					
03						
04	CUSTOMER REMARKS	-·N	FREQUENT FLYER	-·Y	WAITLIST/OTH AIR	-·Y
05	SEAT DATA (APOLLO)	-·N	FARE CONST	-·Y	PHONE DATA	-·Y
06	ADDRESS DATA	-·Y	REMARKS UN/ASSOC	-·Y	AUXILIARY DATA	-·Y
07	LEISURE SHOPPER	-·Y	MIR 12HOUR CLOCK	-·N	SPARE	-·N
08	MISCELLANEOUS DOC	-·N	SSR/OSI DATA	-·Y	NET REMIT	-·Y
09	SEAT DATA (GALILEO)	-·Y	REFUND DATA	-·Y	OTHER FARE CONSTR	-·N
10	CONTENT INTEGRATOR	-·N	CARRIER FEES	-·Y	E MISC DOC (EMD)	-·N
11	CC MASKED	-·Y	OTHER FARE LEVEL	-·N	E MISC DOC (CPN)	-·N
12	E MISC DOC (SVC)	-·N	E MISC DOC (SSR)	-·N		
13	>					
14						
15						

MIR Type and MIR Options

#	MMTD MIR TYPE (EMD)	MMOD – MIR Options				Description
		E Misc DOC (EMD) A29	E Misc DOC (CPN) A30	E Misc DOC (SSR) A20	E Misc DOC (SVC) A16	
1.	N	Y	Y	Y	Y	<ul style="list-style-type: none"> No EMD MIR message will be generated by an EMDI entry. A16 SVC segment data and A20 ASVC segment data will be included in MIR messages which are currently generated by existing MIR entries which include sections A16 and A20.
2.	N	Y	Y	Y	N	<ul style="list-style-type: none"> No EMD MIR message will be generated by an EMDI entry. A20 ASVC segment data will be included in MIR messages which are currently generated by existing MIR entries which include section A20. No A16 SVC segment data will be included in MIR messages which include section A16.
3.	N	Y	Y	N	Y	<ul style="list-style-type: none"> No EMD MIR message will be generated by an EMDI entry. A16 SVC segment data will be included in MIR messages which are currently generated by existing MIR entries which include section A16. No A20 ASVC segment data will be included in MIR messages which include section A20.
4.	N	Y	Y	N	N	<ul style="list-style-type: none"> No EMD MIR message will be generated by an EMDI entry. No A20 ASVC segment data and A16 SVC segment data will be included in MIR messages which are currently generated by existing MIR entries which include sections A16 and A20.

5.	N	N	N	N	N	<ul style="list-style-type: none"> No EMD MIR message will be generated by an EMDI entry. No A20 ASVC segment data and A16 SVC segment data will be included in MIR messages which are currently generated by existing MIR entries which include sections A16 and A20.
6.	Y	N	N	N	N	<ul style="list-style-type: none"> EMD MIR message will be generated by an EMDI entry without sections A29 EMD and A30 CPN. No A20 ASVC segment data and A16 SVC segment data will be included in MIR messages which are currently generated by existing MIR entries which include sections A16 and A20.
7.	Y	N	N	Y	N	<ul style="list-style-type: none"> EMD MIR message will be generated by an EMDI entry without sections A29 EMD and A30 CPN. No A20 ASVC segment data and A16 SVC data will be included in the MIR. A20 ASVC segment data will be included in MIR messages which are currently generated by existing MIR entries which include section A20. No A16 SVC segment data will be included in MIR messages which include section A16.
8.	Y	N	N	N	Y	<ul style="list-style-type: none"> EMD MIR message will be generated by an EMDI entry without sections A29 EMD and A30 CPN. No A20 ASVC segment data and A16 SVC data will be included in the MIR. A16 SVC segment data will be included in MIR messages which are currently generated by existing MIR entries which include section A16. No A20 ASVC segment data will be included in MIR messages which include section A20.

9.	Y	N	N	Y	Y	<ul style="list-style-type: none"> • EMD MIR message will be generated by an EMDI entry without sections A29 EMD and A30 CPN. No A20 ASVC segment data and A16 SVC data will be included in the MIR. • A20 ASVC segment data and A16 SVC data will be included in MIR messages which are currently generated by existing MIR entries which include sections A16 and A20.
10.	Y	Y	N	N	N	<ul style="list-style-type: none"> • EMD MIR message will be generated by an EMDI entry with section A29 EMD and without section A30 CPN. No A20 ASVC segment data and A16 SVC data will be included in the MIR. • A20 ASVC segment data and A16 SVC data will not be included in MIR messages which are currently generated by existing MIR entries which include sections A16 and A20.
11.	Y	Y	N	Y	N	<ul style="list-style-type: none"> • EMD MIR message will be generated by an EMDI entry with section A29 EMD and without section A30 CPN. No A20 ASVC segment data and A16 SVC data will be included in the MIR. • A20 ASVC segment data will be included in MIR messages which are currently generated by existing MIR entries which include section A20. No A16 SVC segment data will be included in MIR messages which include section A16.
12.	Y	Y	N	N	Y	<ul style="list-style-type: none"> • EMD MIR message will be generated by an EMDI entry with section A29 EMD and without section A30 CPN. No A20 ASVC segment data and A16 SVC data will be included in the MIR.

						<ul style="list-style-type: none"> A16 SVC segment data will be included in MIR messages which are currently generated by existing MIR entries which include section A16. No A20 ASVC segment data will be included in MIR messages which include section A20.
13.	Y	Y	N	Y	Y	<ul style="list-style-type: none"> EMD MIR message will be generated by an EMDI entry with section A29 EMD and without section A30 CPN. No A20 ASVC segment data and A16 SVC data will be included in the MIR. A20 ASVC segment data and A16 SVC data will be included in MIR messages which are currently generated by existing MIR entries which include sections A16 and A20.
14.	Y	Y	Y	N	N	<ul style="list-style-type: none"> EMD MIR message will be generated by an EMDI entry with section A29 EMD and section A30 CPN. No A20 ASVC segment data and A16 SVC data will be included in the MIR. A20 ASVC segment data and A16 SVC data will not be included in MIR messages which are currently generated by existing MIR entries which include sections A16 and A20.
15.	Y	Y	Y	N	Y	<ul style="list-style-type: none"> EMD MIR message will be generated by an EMDI entry with section A29 EMD and section A30 CPN. No A20 ASVC segment data and A16 SVC data will be included in the MIR. A16 SVC segment data will be included in MIR messages which are currently generated by existing MIR entries which include section A16. No A20 ASVC segment data will be included in MIR messages which include section A20.

16.	Y	Y	Y	Y	N	<ul style="list-style-type: none"> • EMD MIR message will be generated by an EMDI entry with section A29 EMD and section A30 CPN. No A20 ASVC segment data and A16 SVC data will be included in the MIR. • A20 ASVC segment data will be included in MIR messages which are currently generated by existing MIR entries which include section A20. No A16 SVC segment data will be included in MIR messages which include section A16.
17.	Y	Y	Y	Y	Y	<ul style="list-style-type: none"> • EMD MIR message will be generated by an EMDI entry with section A29 EMD and section A30 CPN. No A20 ASVC segment data and A16 SVC data will be included in the MIR. • A20 ASVC segment data and A16 SVC data will be included in MIR messages which are currently generated by existing MIR entries which include sections A16 and A20.
18.	Y	N	Y	Y	Y	<ul style="list-style-type: none"> • EMD MIR message will be generated by an EMDI entry without sections A29 EMD and A30 CPN. The A30 CPN section is dependent upon the A29 EMD section to be included in the MIR. No A20 ASVC segment data and A16 SVC data will be included in the MIR. • A20 ASVC segment data and A16 SVC data will be included in MIR messages which are currently generated by existing MIR entries which include sections A16 and A20.

MIR Options SSR/OSI Data and E Misc Doc (SSR)

#	MMOD SSR/OSI DATA	MMOD E Misc DOC (SSR) A20	Description
1.	Y	Y	<ul style="list-style-type: none">Existing A20 SSRs will be included in the MIRNew A20 SSR for ASVC will be included in the MIR
2.	Y	N	<ul style="list-style-type: none">Existing A20 SSRs will be included in the MIRNew A20 SSR for ASVC will NOT be included in MIR
3.	N	Y	<ul style="list-style-type: none">Existing A20 SSRs will NOT be included in the MIRNew A20 SSR for ASVC will be included in the MIR
4.	N	N	<ul style="list-style-type: none">Existing A20 SSRs will NOT be included in the MIRNew A20 SSR will NOT be included in the MIR

1. MIR specifications for the new auxiliary service segment (SVC) for optional services that will be included in the A16 (Auxiliary Segments) section of the MIR.
 - a) The inclusion of SVC segment data in the A16 section of the MIR will be dependent upon the options set in the MIR Type and MIR Options tables.
 - b) The SVC segment data when present in the PNR/BF will be included in the existing A16 section of the MIR for all transaction types that currently include the A16 section in the MIR.
 - c) Exception 1: SVC segment data will not be included in the A16 section of the MIR at EMD Issue (EMDI).
 - d) Exception 2: the retransmission of an EMDI MIR (HQNN) will include SVC segment data in the A16 section of the MIR as at retransmission; any programmatic updates to the SVC segment data will have already taken place.

The SVC segment data will be identified in the A16 section of the MIR with a segment type code of '9'.

9 – SVC OPTIONAL SERVICES

LEVEL	HEX	DEC	LABEL	BYTES	TYPE	DESCRIPTION
1			A16SEC	3	B	SECTION LABEL "A16"
1			A16TYP	1	B	SEGMENT TYPE CODE "9" – SVC
1			A16NUM	2	N	ITINERARY INDEX NUMBER (Segment Number). This is the numeric sequence (from first to last) of the passenger's air and auxiliary segment itinerary.
1			A16BKI	1	A	BOOKING INDICATOR "A" Automated SVC Optional Service "M" Non-Automated/Manual SVC Optional Service Booking indicator identifies how the SVC segment was booked. "A" for automated segment or "M" for manual segment.
1			A16AIR	2	B	AIRLINE CODE

1			A16STS	2	A	ACTION CODE Action Codes NN - Service Requested HS - EMD issued for confirmed service (only to be used following KD) XX - Service cancelled Reply/Advice Codes UN - Unable – special service not provided UC - Unable to confirm/unable to wait list KD - Service Confirmed subject to receipt of EMD issue or reissue KK - Confirmed no EMD required for service. NO - No Action taken plus free text HX - Have cancelled SD - Schedule change/rebooking; EMD already issued. Document number must be included in the SSR. Status Codes HK - Holding confirmed; no EMD required HD - Holding confirmed; EMD required HI - Holding confirmed; EMD issued (EMD can only be issued if the Ticket is issued). HN - Holding need EK - Manual SVC sell
1			A16REQ	2	N	NUMBER OF SERVICES REQUESTED
1			A16PLC	3	A	LOCATION OF SERVICE
1			A16DAT	5	B	SERVICE DATE (DDMMM)
1			A16RFI	1	B	REASON FOR ISSUANCE CODE (RFIC) A Air transportation (such as select seating, not carriage itself) B Surface transportation/Non-air services C Baggage D Financial Impact E Airport Services F Merchandise G In-flight services H Reserved for future ATPCO use I Reserved for future individual airline use Z Reserved for future industry use 0-9 Reserved for future industry use
1			A16RFC	3	B	REASON FOR ISSUANCE SUB CODE (RFISC)
1			A16FOR	30	B	COMMERCIAL NAME OF SERVICE
1			A16PNN	2	N	NAME NUMBER Number in party for the service.
1			A16NAM	55	B	PASSENGER NAME
1			A16EMD	15	B	EMD NUMBER INCLUDING COUPON NUMBER Only 1 SVC may be issued per EMD document. There will only be 1 EMD value coupon per EMD document and it will not have more than 1 coupon and will not be conjunctive.

1			A16CBA	3	A	CURRENCY CODE FOR EMD BASE AMOUNT
1			A16BAM	12	N/S	EMD BASE AMOUNT
1			A16CEA	3	A	CURRENCY CODE FOR EMD EQUIVALENT AMOUNT
1			A16EAM	12	N/S	EMD EQUIVALENT AMOUNT
1			A16CTX	3	A	CURRENCY CODE FOR EMD TOTAL TAX AMOUNT
1			A16TAM	8	N/S	EMD TOTAL TAX AMOUNT
1			A16CTA	3	A	CURRENCY CODE FOR EMD TOTAL AMOUNT
1			A16TLA	12	N/S	EMD TOTAL AMOUNT
1			A16C01	1	S	CARRIAGE RETURN

Carriage Return "A16C01" directly follows the last fixed data element in the SVC Optional Services item.						
1			A16FXI	3	A/S	FREE TEXT DATA IDENTIFIER "FX:"
1			A16FTX	90	B	FREE TEXT DATA
1			A16C02	1	S	CARRIAGE RETURN

Carriage Return "A16C02" is a floating carriage return that applies to the Free Text Data element transmitted in each SVC Optional Services segment. It directly follows the last character of free text data transmitted and may be omitted if no Free Text Data exists for this segment.						

1			A16C03	1	S	CARRIAGE RETURN This carriage return indicates the end of the SVC Optional Services Section and follows the last SVC Optional Services item in this section.

Unless otherwise specified, if data for a field is not transmitted in the MIR, the following values will apply:

- Alpha fields are blank filled (left justified).
- Numeric fields are zero filled (right justified).
- Alpha/Numeric fields are blank filled (left justified).
- Currency amounts in the header are zero filled.
- Currency amounts in the body of the MIR are generally right justified with decimal places for the currency the MIR was issued in. If not transmitted, they are blank filled, or may be omitted.
- Date fields are alpha numeric DDMMYY or DDMMYY format.

Type of characters that may be expected in the data element (TYPE):

A = alpha

N = numeric

B = alpha/numeric

S = special character

Sample Apollo PNR with SVC Segment

```
NKB4JK/AG XDBKR C123456 AG 14537482 15APR
1.1ANDERSON/HANS
1 DL1772T 19JUL ATLMIA HK1 737A 932A * TU E
2 SVC DL HI1 ATL 19JUL-A/ST1/PREMIUM SEAT ASSIGNMENT/NM-1ANDER
SON/HANS/0068121007506C1/25.00/USD
```

```

3 TUR ZZ BK1 MIA 19JUL-**FLORIDA HOLIDAY ESCAPE**/CF-5889A9B
4 DL 749T 20JUL MIAATL HK1 900A 1059A * WE E
5 SVC DL HI1 MIA 20JUL-A/ST1/PREMIUM SEAT ASSIGNMENT/NM-1ANDER
SON/HANS/0068121007507C1/25.00/USD
*** ADDITIONAL SERVICES EXIST *** >*DAS.
*** ELECTRONIC MISC DOCUMENT LIST *** >EMDL.
*** SEAT DATA EXISTS *** >9D.
FONE-DENAS/303 555-5555 TRAVEL AGENCY
TKTG-T/

```

Sample Apollo A16 MIR Section with SVC Segment Data

1	2	3	4	5	6	7	8	9	1	2
123456789012345678901234567890123456789012345678901234567890123456789012										
A1660319JUL11TZZ				MIA BK		1				
FF:03*FLORIDA HOLIDAY ESCAPE										
CF:035889A9B										
A16902MDLHI01ATL19JULAST1PREMIUM SEAT ASSIGNMENT					01ANDERSON/HANS					
0068121007506C1					USD	25.00				
A16905MDLEK01MIA20JULAST1PREMIUM SEAT ASSIGNMENT					01ANDERSON/HANS					
0068121007507C1					USD	25.00				

Sample Galileo Booking File with SVC Segment

```

MZDVHO/02 XDBKR C103025 AG 14537423 15APR
1.1JOHNSON/RONALDMR
1. DL 1772 Y 18JUL ATLMIA HK1 0737 0932 O* E MO
2. SVC DL EK1 ATL 18JUL-A/0G6/PRIORITY BOARDING/NM-1JOHNSON/RO
NALDMR//12.00/GBP
3. TUR DL BK1 MIA 18JUL-CF-FL68751
** FILED FARE DATA EXISTS ** >*FF.
** VENDOR LOCATOR DATA EXISTS ** >*VL.
** ADDITIONAL SERVICES EXIST ** >*DAS.
** ELECTRONIC MISC DOCUMENT LIST ** >EMDL.
** SERVICE INFORMATION EXISTS ** >*SI.
FONE-LONT/5555 555555
TKTG-T*

```

Sample Galileo A16 MIR Section with SVC Segment Data

1	2	3	4	5	6	7	8	9	1	2
123456789012345678901234567890123456789012345678901234567890123456789012										
A1660318JUL11TDL				MIA BK		1				
OD-CF-FL68751										
CF:03FL68751										
A16902MDLEK01ATL18JULA0G6PRIORITY BOARDING					01JOHNSON/RONALDMR					
					GBP	12.00				

2. MIR specifications for the new special service request (SSR) data for automated optional services (ASVC) that will be included in the A20 (Auxiliary SSR/OSI Data) section of the MIR.
 - a) The inclusion of ASVC segment data in the A20 section of the MIR will be dependent upon the options set in the MIR Type and MIR Options tables.

- b) The ASVC segment data when present in the PNR/BF will be included in the existing A20 section of the MIR for all transaction types that currently include the A20 section in the MIR.
- c) Exception 1: ASVC segment data will not be included in the A20 section of the MIR at EMD Issue (EMDI).
- d) Exception 2: the retransmission of an EMDI MIR (HQNN) will include ASVC segment data in the A20 section of the MIR as at retransmission; any programmatic updates to the SVC segment data will have already taken place.

The ASVC segment data will be identified in the A20 section of the MIR with an SSR type code of '**ASVC**'.

SSR/OSI DATA

LEVEL	HEX	DEC	LABEL	BYTES	TYPE	DESCRIPTION
NOTE:- This section has limited applicability. Not all SSRs and OSIs are sent. In some cases (e.g. SSR CKIN) the functionality is related to a specific market or fare type (in this case Residents Fares in Spain).						
1			A20SEC	3	B	SECTION LABEL "A20"
1			A20SEG	2	N	SEGMENT NUMBER An SSR ASVC must be segment related.
1			A20PAX	2	N	PASSENGER NUMBER Each SSR ASVC must be associated to a single passenger in the PNR/BF.
1			A20IND	3	A	SSR OR OSI INDICATOR At this time can only be SSR.
1			A20CDE	4	A	SSR TYPE CKIN – Check in data FOID – Form of identification FQTV – Frequent Flyer Number – Most frequent flyer account numbers will be found in the A03 section. ASVC – Optional Services Other codes may be added without prior warning.

1			A20STS	2	A	<p>STATUS HK – Confirmed NS – Pending Other codes may be added without prior warning.</p> <p>Action Codes (SSR ASVC) NN - Service Requested HS - EMD issued for confirmed service (only to be used following KD) XX - Service cancelled</p> <p>Reply/Advice Codes (SSR ASVC) UN - Unable - special service not provided UC - Unable to confirm/unable to wait list KD - Service Confirmed subject to receipt of EMD issue or reissue KK - Confirmed no EMD required for service. NO - No Action taken plus free text HX - Have cancelled SD - Schedule change/rebooking; EMD already issued. Document number must be included in the SSR.</p> <p>Status Codes (SSR ASVC) HK - Holding confirmed; no EMD required HD - Holding confirmed; EMD required HI - Holding confirmed; EMD issued (EMD can only be issued if the Ticket is issued). HN - Holding need</p>
1			A20REQ	2	N	NUMBER OF SERVICES REQUESTED
1			A20AIR	2	B	AIRLINE CODE
1			A20OCC	3	A	ORIGIN CITY CODE
1			A20DCC	3	A	DESTINATION CITY CODE
1			A20FLT	4	N	FLIGHT NUMBER
1			A20DAT	5	B	DEPARTURE DATE (Format: DDMMM)
1			A20NAM	A	55	PASSENGER NAME
1			A20C01	1	S	CARRIAGE RETURN

NOTE Carriage Return "A20C01" directly follows the Passenger Name data element for this SSR ASVC segment.						
1			A20TXI	3	A/S	FREE TEXT INDICATOR – FT:
1			A20TXT	180	B	FREE TEXT
1			A20C02	1	S	CARRIAGE RETURN

NOTE Carriage Return "A20C02" is a floating carriage return related to the Free Text data element transmitted in each SSR ASVC segment. This carriage return follows the last character in the Free Text data element for this SSR ASVC segment.						
1			A20C03	1	S	<p>CARRIAGE RETURN</p> <p>This carriage return indicates the end of the SSR/OSI Data Section and follows the last SSR/OSI item in this section.</p>

- Alpha fields are blank filled (left justified).
- Numeric fields are zero filled (right justified).
- Alpha/Numeric fields are blank filled (left justified).
- Currency amounts in the header are zero filled.
- Currency amounts in the body of the MIR are generally right justified with decimal places for the currency the MIR was issued in. If not transmitted, they are blank filled, or may be omitted.
- Date fields are alpha numeric DDMMM or DDMMYY format.

A = alpha
N = numeric
B = alpha/numeric
S = special character

NKKB4JK/AG XDBKR C123456 AG 14537482 15APR
1.1ANDERSON/HANS
1 DL1772T 19JUL ATLMIA HK1 737A 932A * TU E
2 SVC DL HI1 ATL 19JUL-A/ST1/PREMIUN SEAT ASSIGNMENT/NM-1ANDER
SON/HANS/0068121007506C1/25.00/USD
3 TUR ZZ BK1 MIA 19JUL-**FLORIDA HOLIDAY ESCAPE**/CF-5889A9B
4 DL 749T 20JUL MIAATL HK1 900A 1059A * WE E
5 SVC DL HI1 MIA 20JUL-A/ST1/PREMIUM SEAT ASSIGNMENT/NM-1ANDER
SON/HANS/0068121007507C1/25.00/USD
*** ADDITIONAL SERVICES EXIST *** >*DAS.
*** ELECTRONIC MISC DOCUMENT LIST *** >EMDL.
*** SEAT DATA EXISTS *** >9D.
FONE-DENAS/303 555-5555 TRAVEL AGENCY
TKTG-T/
*** LINEAR FARE DATA EXISTS *** >*LF.
ATFQ-TKTE/\$B-*GK5/Z0/FXXXXXXXXXXXX2004+OK+*789789+D0612/ET/CDL
FQ-USD 174.88/USD 13.12US/USD 21.40XT/USD 209.40 - 15APR TA10R2
SJ.TA10R2SJ
GFAV-SSRDOCSDLHK1/////XXXXXXXX/M//ANDERSON/JOHN-1ANDERSON/HANS
2 SSRASVCDLNN01 ATLMIA 1772T 19JUL-1ANDERSON/HANS.A/ML2//VEGI
MEAL
3 SSRASVCDLNN01 ATLMIA 1772T 19JUL-1ANDERSON/HANS.A/PET//PET
IN CABIN
ACKN-DL GYETTS 15APR 2221

[illegible]

```

MZDVHO/02 XDBKR C103025 AG 14537423 15APR
  1.1JOHNSON/RONALDMR
  1. DL 1772 Y 18JUL ATLMIA HK1 0737 0932 O* E MO
  2. SVC DL EK1 ATL 18JUL-A/OG6/PRIORITY BOARDING/NM-1JOHNSON/RO
    NALDMR//12.00/GBP
  3. TUR DL BK1 MIA 18JUL-CF-FL68751
** FILED FARE DATA EXISTS ** >*FF.
** VENDOR LOCATOR DATA EXISTS ** >*VL.
** ADDITIONAL SERVICES EXIST ** >*DAS.
** ELECTRONIC MISC DOCUMENT LIST ** >EMDL.
** SERVICE INFORMATION EXISTS ** >*SI.
FONE-LONT/5555 555555
TKTG-T*

** SPECIAL SERVICE REQUIREMENT **
SEGMENT/PASSENGER RELATED
S 1. DL 1772 Y 18JUL ATLMIA
  P 1. JOHNSON/RONALDM| ASVC PN 1 A/PET//PET IN CABIN
> ASVC PN 1 A/ML2//VEGI MEAL

```

[illegible]

3. MIR specifications for the new A29 EMD Data Section for optional services that will be included in the MIR at EMD Issue (EMDI).
- The inclusion of the new A29 section of the MIR will be dependent upon the options set in the MIR Type and MIR Options tables.
 - The A29 section will only be included in the MIR at EMD Issue (EMDI) and retransmission (HQNN).
 - A new Ticketing/EMD command used indicator 'F' will be designated in the MIR to identify an EMD Issue (EMDI). The new indicator will be placed in the Header Section, Label T50IN12 (Ticketing/EMD Command Used).

```
T51V588092015870946415APR110406PDL006DELTA AIR LINES 28AUG11F30D0FF34734
OGK50GK514537482ZNLHDHC C12345NAGAG15APR1100015APR11004
USD00000000000002USD00000000 00000000 00000000 00000000 00000000 000000000000
NNYYNONNNAYF NNN NNNNNN
0000000010000020000000000000001001000000000000000
```

- The A29 section will not be included in MIR messages generated via ticketing modifiers, such as TKPDAD, TKPDND, or TKPDXD.

A29 EMD DATA SECTION

LEVEL	HEX	DEC	LABEL	BYTES	TYPE	DESCRIPTION
1			A29SEC	3	B	SECTION LABEL "A29"
1			A29PAX	2	N	PASSENGER NUMBER Applies to the passenger name number from the PNR/BF.
1			A29SEG	2	N	SEGMENT NUMBER For an SVC segment this is the itinerary index number to which the optional service is requested. For an SSR ASVC this is the itinerary index number of the air segment to which the optional service(s) is requested.
1			A29SVC	4	A	TYPE OF SERVICE SVC ASVC
1			A29BKI	1	A	BOOKING INDICATOR A – Automated M - Manual
1			A29EID	1	A	EMD IDENTIFIER S - EMD-S A - EMD-A
1			A29RFI	1	B	REASON FOR ISSUANCE CODE
1			A29NAM	55	B	PASSENGER NAME
1			A29EMD	13	N	EMD NUMBER
1			A29CNJ	13	N	EMD NUMBER CONJUNCTIVE
1			A29VCR	2	B	VALIDATING CARRIER
1			A29CBA	3	A	CURRENCY CODE FOR EMD BASE AMOUNT

1			A29BAM	12	N/S	EMD BASE AMOUNT
1			A29CEA	3	A	CURRENCY CODE FOR EMD EQUIVALENT AMOUNT
1			A29EAM	12	N/S	EMD EQUIVALENT AMOUNT
1			A29CTX	3	A	CURRENCY CODE FOR EMD TOTAL TAX AMOUNT
1			A29TAM	12	N/S	EMD TOTAL TAX AMOUNT
1			A29CTA	3	A	CURRENCY CODE FOR EMD TOTAL AMOUNT
1			A29TLA	12	N/S	EMD TOTAL AMOUNT
1			A29BSR	13	B	BANKER'S SELLING RATE (BSR)
1			A29TYP	2	A	FORM OF PAYMENT TYPE
1			A29AMT	12	N/S	FORM OF PAYMENT AMOUNT
1			A29ACI	1	A	APPROVAL CODE INDICATOR APO: M = MANUALLY ENTERED BLANK = LINK GENERATED GCS: blank filled.
1			A29APC	8	B	APPROVAL CODE (CREDIT CARD)
1			A29C01	1	S	CARRIAGE RETURN
* * * * *						
NOTE Carriage Return "A29C01" directly follows the last fixed data element in the EMD Data Section of the MIR.						
EMD DATA "HEX" and "DEC" are not provided. Maximum field sizes are given. It is suggested that you look for specific identifiers to locate desired information.						
1			A29EDS	243	I	EMD VARIABLE DATA SECTION
2			A29EDI	3	A/S	EMD VARIABLE DATA IDENTIFIER "ED-"
2			A29EMD	240	B/S	EMD VARIABLE DATA Any or all of the EMD data elements can exist in the EMD VARIABLE Data Section with a maximum of 220 characters.
DATA IDENTIFIER	VARIABLE DATA DESCRIPTION				MAX FIELD SIZE INCLUDING DATA IDENTIFIER	EXAMPLE
/FP2-	FORM OF PAYMENT 2 TYPE				7	/FP2-
/FPA2-	FORM OF PAYMENT 2 AMOUNT				18	/FPA2-
/FPI2-	APPROVAL CODE 2 INDICATOR				6	/FPI2-M
/AP2-	APPROVAL CODE 2 (CREDIT CARD)				13	/AP2-
/FP3-	FORM OF PAYMENT 3 TYPE				7	/FP3-
/FPA3-	FORM OF PAYMENT 3 AMOUNT				18	/FPA3-
/FPI3-	APPROVAL CODE 3 INDICATOR				6	/FPI2-M
/AP3-	APPROVAL CODE 3 (CREDIT CARD)				13	/AP3-
/IT-	IT TOUR CODE				19	/IT-
/ER-	ENDORSEMENT DATA				151	/ER-
/RL-	RELATED TICKET NUMBER				17	/RL-
/CM-	COMMISSION AMOUNT				15	/CM-
/CP-	COMMISSION RATE (PERCENTAGE)				9	/CP-
1			A29C02	1	S	CARRIAGE RETURN
* * * * *						

Carriage Return "A29C02" is a floating carriage return that applies to the EMD Variable Data item. It directly follows the last Variable Data element transmitted and may be omitted if no EMD Variable Data exists for this EMD.

1			A29C02	1	S	CARRIAGE RETURN This carriage return indicates the end of the EMD Data Section and follows the last EMD Data item in this section.

Unless otherwise specified, if data for a field is not transmitted in the MIR, the following values will apply:

- Alpha fields are blank filled (left justified).
- Numeric fields are zero filled (right justified).
- Alpha/Numeric fields are blank filled (left justified).
- Currency amounts in the header are zero filled.
- Currency amounts in the body of the MIR are generally right justified with decimal places for the currency the MIR was issued in. If not transmitted, they are blank filled, or may be omitted.
- Date fields are alpha numeric DDMMM or DDMMYY format.

Type of characters that may be expected in the data element (TYPE):

A = alpha
N = numeric
B = alpha/numeric
S = special character

Sample Apollo PNR with SVC Segment

```
NKB4JK/AG XDBKR C123456 AG 14537482 15APR
1.1ANDERSON/HANS
1 DL1772T 19JUL ATLMIA HK1 737A 932A * TU E
2 SVC DL HI1 ATL 19JUL-A/ST1/PREMIUM SEAT ASSIGNMENT/NM-1ANDER
SON/HANS/0068121007506C1/25.00/USD
3 TUR ZZ BK1 MIA 19JUL-**FLORIDA HOLIDAY ESCAPE**/CF-5889A9B
4 DL 749T 20JUL MIAATL HK1 900A 1059A * WE E
5 SVC DL HI1 MIA 20JUL-A/ST1/PREMIUM SEAT ASSIGNMENT/NM-1ANDER
SON/HANS/0068121007507C1/25.00/USD
*** ADDITIONAL SERVICES EXIST *** >*DAS.
*** ELECTRONIC MISC DOCUMENT LIST *** >EMDL.
*** SEAT DATA EXISTS *** >9D.
FONE-DENAS/303 555-5555 TRAVEL AGENCY
TKTG-T/
```

Sample Apollo A29 MIR Section with SVC Segment Data at EMD Issue (EMDI)

1	2	3	4	5	6	7	8	9
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345								
A290102SVC	MSAANDERSON/HANS						0068121007506	
DL				USD	25.00		CC	25.00AHOSTO
K								
ED-/ER-REFUND THROUGH ISSUING AGENCY/CM-0.00/CP-000000								

```
MZDVHO/02 XDBKR C103025 AG 14537423 15APR
  1.1JOHNSON/RONALDMR
  1. DL 1772 Y 18JUL ATLMIA HK1 0737 0932 O* E MO
  2. SVC DL EK1 ATL 18JUL-A/0G6/PRIORITY BOARDING/NM-1JOHNSON/RO
    NALDMR//12.00/GBP
  3. TUR DL BK1 MIA 18JUL-CF-FL68751
** FILED FARE DATA EXISTS ** >*FF.
** VENDOR LOCATOR DATA EXISTS ** >*VL.
** ADDITIONAL SERVICES EXIST ** >*DAS.
** ELECTRONIC MISC DOCUMENT LIST ** >EMDL.
** SERVICE INFORMATION EXISTS ** >*SI.
FONE-LONT/5555 555555
TKTG-T*

** SPECIAL SERVICE REQUIREMENT **
SEGMENT/PASSENGER RELATED
S 1. DL 1772 Y 18JUL ATLMIA
  P 1. JOHNSON/RONALDM| ASVC PN 1 A/PET//PET IN CABIN
> ASVC PN 1 A/ML2//VEGI MEAL
```

[illegible]

4. MIR specifications for the new A30 EMD Coupon Data Section for optional services that will be included in the MIR at EMD Issue (EMDI).
- a) The inclusion of the new A30 section of the MIR will be dependent upon the options set in the MIR Type and MIR Options tables.
 - b) The A30 section will only be included in the MIR at EMD Issue (EMDI) and retransmission (HQNN).
 - c) A new Ticketing/EMD command used indicator 'F' will be designated in the MIR to identify an EMD Issue (EMDI). The new indicator will be placed in the Header Section, Label T50IN12 (Ticketing/EMD Command Used).

```

T51G773392012960040715APR111823 000 18JUL11CCCF14C5F9F4
X6L X6L14537423 MZDVHO C1002N02AG15APR1100015APR11013
000000000000 GBP00000000 00000000 00000000 00000000 00000000 000000000900
N NNN7N NAYF NNNX GB
000000001000001000000000000000001000001000002000

```

- d) The A30 section will not be included in MIR messages generated via ticketing modifiers, such as TKPDAD, TKPDND, or TKPDXD.

EMD COUPON DATA SECTION

LEVEL	HEX	DEC	LABEL	BYTES	TYPE	DESCRIPTION
1			A30SEC	3	B	SECTION LABEL "A30"
1			A30PAX	2	N	PASSENGER NUMBER Applies to the passenger name number from the PNR/BF.
1			A30SEG	2	N	SEGMENT NUMBER For an SVC segment this is the itinerary index number to which the optional service is requested. For an SSR ASVC this is the itinerary index number of the air segment to which the optional service(s) is requested.
1			A30CPN	1	N	COUPON NUMBER
1			A30EMD	13	N	EMD NUMBER FOR COUPON
1			A30AIR	2	B	SERVICE PROVIDER (CARRIER CODE)
1			A30OCC	3	A	LOCATION (ORIGIN/BOARD POINT)
1			A30DAT	5	B	DATE OF SERVICE (DDMMM)
1			A30REQ	2	N	NUMBER OF SERVICES REQUESTED
1			A30RFC	3	B	REASON FOR ISSUANCE SUB-CODE
1			A30FOR	30	B	COMMERCIAL NAME
1			A30CUN	3	A	CURRENCY CODE PER UNIT
1			A30UNT	3	N	UNIT NUMBER FOR EXCESS BAGGAGE
1			A30RAT	12	N/S	RATE FOR EXCESS BAGGAGE
1			A30QAL	1	A	QUALIFIER FOR EXCESS BAGGAGE

1			A30CBA	3	A	CURRENCY CODE FOR BASE AMOUNT
1			A30BAM	12	N/S	BASE AMOUNT
1			A30CEA	3	A	CURRENCY CODE FOR EQUIVALENT AMOUNT
1			A30EAM	12	N/S	EQUIVALENT BASE AMOUNT
1			A30CTX	3	A	CURRENCY CODE FOR TAX
1			A30TX1	8	B/S	TAX 1 AMOUNT
1			A30TC1	2	A	TAX 1 TAX CODE
1			A30TX2	8	B/S	TAX 2 AMOUNT
1			A30TC2	2	A	TAX 2 TAX CODE
1			A30TX1	8	B/S	TAX 3 AMOUNT
1			A30TC1	2	A	TAX 3 TAX CODE
1			A30CTA	3	A	CURRENCY CODE FOR TOTAL AMOUNT
1			A30TLA	12	N/S	TOTAL AMOUNT
1			A30ATK	13	N	ASSOCIATED TICKET NUMBER
1			A30C01	1	S	CARRIAGE RETURN

NOTE Carriage Return "A30C01" is a floating carriage return related to the EMD Coupon Data item. This carriage return is located after the last data element in this item.						
EMD DATA "HEX" and "DEC" are not provided. Maximum field sizes are given. It is suggested that you look for specific identifiers to locate desired information.						
1			A30ECD	83	I	EMD VARIABLE COUPON DATA SECTION
2			A30ECI	3	A/S	EMD VARIABLE COUPON DATA IDENTIFIER "EC-"
2			A30ECP	80	B/S	EMD VARIABLE COUPON DATA Any or all of the EMD Variable Coupon Data elements can exist in the Variable Coupon Data item with a maximum of 80 characters.
DATA IDENTIFIER		VARIABLE DATA DESCRIPTION			MAX FIELD SIZE INCLUDING DATA IDENTIFIER	EXAMPLE
/NC-		NON-COMMISSIONABLE Y = Non-Commissionable			5	/NC-Y
/NI-		NON-INTERLINABLE Y = Non-Interlinable			5	/NI-Y
/NR-		NON-REISSUABLE/EXCHANGEABLE Y = Non-Reissuable/Exchangeable			5	/NR-N
1			A30C02	1	S	CARRIAGE RETURN

NOTE:- The EMD Coupon Data item will be repeated for each coupon in an EMD.						
Carriage Return "A30C02" is a floating carriage return that applies to the EMD Variable Coupon Data item. It directly follows the last Variable Coupon Data element transmitted and may be omitted if no Variable Coupon Data exists.						
1			A30C02	1	S	CARRIAGE RETURN This carriage return indicates the end of the EMD Coupon Data Section and follows the last EMD Coupon Data item in this section.

Unless otherwise specified, if data for a field is not transmitted in the MIR, the following values will apply:

- Alpha fields are blank filled (left justified).
- Numeric fields are zero filled (right justified).
- Alpha/Numeric fields are blank filled (left justified).
- Currency amounts in the header are zero filled.
- Currency amounts in the body of the MIR are generally right justified with decimal places for the currency the MIR was issued in. If not transmitted, they are blank filled, or may be omitted.
- Date fields are alpha numeric DDMMM or DDMMYY format.

Type of characters that may be expected in the data element (TYPE):

A = alpha

N = numeric

B = alpha/numeric

S = special character

Sample Apollo PNR with SVC Segment

NKB4JK/AG XDBKR C123456 AG 14537482 15APR
1.1ANDERSON/HANS
1 DL1772T 19JUL ATLMIA HK1 737A 932A * TU E
2 SVC DL HI1 ATL 19JUL-A/ST1/PREMIUN SEAT ASSIGNMENT/NM-1ANDER
SON/HANS/0068121007506C1/25.00/USD
3 TUR ZZ BK1 MIA 19JUL-**FLORIDA HOLIDAY ESCAPE**/CF-5889A9B
4 DL 749T 20JUL MIAATL HK1 900A 1059A * WE E
5 SVC DL HI1 MIA 20JUL-A/ST1/PREMIUM SEAT ASSIGNMENT/NM-1ANDER
SON/HANS/0068121007507C1/25.00/USD
*** ADDITIONAL SERVICES EXIST *** >*DAS.
*** ELECTRONIC MISC DOCUMENT LIST *** >EMDL.
*** SEAT DATA EXISTS *** >9D.
FONE-DENAS/303 555-5555 TRAVEL AGENCY
TKTG-T/

Sample Apollo A30 MIR Section with Coupon Data for SVC Segment at EMD Issue (EMDI)

[illegible]

```

MZDVHO/02 XDBKR C103025 AG 14537423 15APR
  1.1JOHNSON/RONALDMR
1. DL 1772 Y 18JUL ATLMIA HK1 0737 0932 O* E MO
2. SVC DL EK1 ATL 18JUL-A/0G6/PRIORITY BOARDING/NM-1JOHNSON/RO
   NALDMR//12.00/GBP
3. TUR DL BK1 MIA 18JUL-CF-FL68751
** FILED FARE DATA EXISTS ** >*FF.
** VENDOR LOCATOR DATA EXISTS ** >*VL.
** ADDITIONAL SERVICES EXIST ** >*DAS.
** ELECTRONIC MISC DOCUMENT LIST ** >EMDL.
** SERVICE INFORMATION EXISTS ** >*SI.
FONE-LONT/5555 555555
TKTG-T*

** SPECIAL SERVICE REQUIREMENT **
SEGMENT/PASSENGER RELATED
S 1. DL 1772 Y 18JUL ATLMIA
   P 1. JOHNSON/RONALDM| ASVC PN 1 A/PET//PET IN CABIN
> ASVC PN 1 A/ML2//VEGI MEAL

```

[illegible]

Sample Apollo PNR with SVC and SSR ASVC Segments

Sample Apollo EMDI (Issue) MIR Message for SSR ASVC Optional Services

Page 29

1	2	3	4	5	6	7	8	9
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345								
T51V588092013680946715APR110534PDL006DELTA AIR LINES	28AUG11F30D0FF34734							
0GK50GK514537482ZNLHDC	C12345NAGAG15APR1100015APR11007							
USD0000000000002USD00000000 00000000 00000000 00000000 00000000 000000000000								
NNYYNONNNAYF NNN NNNNNN								
0000000010000002000000000000001001000000000000000								
A02JAMISON/ROBERT MR	105000359061						01	
A0401DL006DELTA 1772Y HK28AUG0825A1033A2ATLATLANTA	MIAMIAMI	DN	O0	M88S				
00595F1ANL:DELTA AIR LINES								
A0403DL006DELTA 1460Y HK03SEP0745A0948A2MIAMIAMI	ATLATLANTA	DN	O0	757				
00595F2ANL:DELTA AIR LINES								
A11CC000000000.00NAX371019000002004	0000							
A12CHIAS/555 555-5555								
A290102SVC MSAJAMISON/ROBERT MR	0068121007623							
DL	USD	25.00	CC	25.00	AHOSTO			
K								
ED-/ER-NON REFUNDABLE								
A30010110068121007623DLATL28AUG01ST1PREMIUM SEAT ASSIGNMENT								
USD	25.00							

1	2	3	4	5	6	7	8	9
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345								
T51V588092017450947515APR111045ADL006DELTA AIR LINES 28AUG11F30DOFF34734								
0GK50GK514537482ZNLHDDHC C12345NAGAG15APR1100015APR11007								
USD0000001719082USD00012892US00002140XT00000000 00000000 00000000 000000000000								
NNYYN0NNYAYA NNN NNNNNN								
0000000010000020000000001000001001000000000002000								
A02JAMISON/ROBERT MR 105000425341 01								
A0401DL006DELTA 1772Y HK28AUG0825A1033A2ATLATLANTA MIAMIAMI DN O0 M88S								
00595F1ANL:DELTA AIR LINES								
A0403DL006DELTA 1460Y HK03SEP0745A0948A2MIAMIAMI ATLATLANTA DN O0 757								
00595F2ANL:DELTA AIR LINES								
A0701USD 1719.08USD 1869.40 USDT1: 128.92UST2: 21.40XT								
IT: 9.00XF 7.40ZP 5.00AY								
A080101Y0 00086884 B:2PC								
A080103Y0 00085024 B:2PC								
A0901528AUG ATL DL MIA Q27.91Q18.60 822.33DL ATL Q27.91 822.33USD17								
19.08END ZPATLMIA XT 7.40ZP 5.00AY 9.00XFATL4.5MIA4.5								
A11CC000001869.40NAX371019000002004 0000 MA12345								
A12CHIAS/555 555-5555								
A16902MDLHI01ATL28AUGAST1PREMIUM SEAT ASSIGNMENT 01JAMISON/ROBERT MR								
0068121007623C1 USD 25.00								

A200101SSRASVCHI01DLATLMIA177228AUGJAMISON/ROBERT MR
FT:**A/ML2//VEGI MEAL/0068121007622C1
A200101SSRASVCHI01DLATLMIA177228AUGJAMISON/ROBERT MR
FT:**A/PET//PET IN CABIN/0068121007622C2

```

MZGRCL/02 XDBRKR C103025 AG 14537423 15APR
  1.1WILLIAMSON/MARYFRANCESMS
  1. DL 1772 Y 19AUG ATLMIA HK1 0725 0920 O* E FR
  2. SVC DL HI1 ATL 19AUG-A/0G6/PRIORITY BOARDING/NM-1WILLIAMSON
    /MARYFRANCESMS/0068113006071C1/10.00/GBP
  3. DL 1460 Y 28AUG MIAATL HK1 0745 0948 O* E SU
  4. SVC DL HI1 MIA 28AUG-A/0G6/PRIORITY BOARDING/NM-1WILLIAMSON
    /MARYFRANCESMS/0068113006072C1/10.00/GBP
** FILED FARE DATA EXISTS ** >*FF.
** VENDOR LOCATOR DATA EXISTS ** >*VL.
** ADDITIONAL SERVICES EXIST ** >*DAS.
** ELECTRONIC MISC DOCUMENT LIST ** >EMDL.
** SERVICE INFORMATION EXISTS ** >*SI.
FONE-LONT/
TKTG-T*

** SPECIAL SERVICE REQUIREMENT **
SEGMENT/PASSENGER RELATED
S 1. DL 1772 Y 19AUG ATLMIA
  P 1. WILLIAMSON/MARY+ ASVC HI 1 A/ML2//VEGI MEAL/006811300-
    6070C1
    ASVC HI 1 A/PET//PET IN CABIN/006811-
    3006070C2

```

[illegible]

Sample Galileo EMDI (Issue) MIR Message for SVC Optional Services

Sample Galileo Non-Ticketing MIR (TKPDAD) with SVC and SSR ASVC Optional Services

Page 32

A080101Y0 00000000 F:Y0 B:2PC
A080103Y0 00000000 F:Y0 B:2PC

A09010ATL DL MIA Q27.91Q18.60 822.33 DL ATL Q27.91Q18.60 822.33 USD
1737.68END XT 4.60ZP5.40XF ATL4.5MIA4.5

A11CC 1153.60NAX371019000002004 0000 78987 P:01

A12LONT /

A14VL-231015APRATLVZDLGYGX74

A16902MDLHI01ATL19AUGA0G6PRIORITY BOARDING	01WILLIAMSON/MARYFRANCESMS
0068113006071C1	GBP 10.00
A16904MDLHI01MIA28AUGA0G6PRIORITY BOARDING	01WILLIAMSON/MARYFRANCESMS
0068113006072C1	GBP 10.00

A200101SSRASVCHI01DLATLMIA177219AUGWILLIAMSON/MARYFRANCESMS
FT:**A/ML2//VEGI MEAL/0068113006070C1
A200101SSRASVCHI01DLATLMIA177219AUGWILLIAMSON/MARYFRANCESMS
FT:**A/PET//PET IN CABIN/0068113006070C2

5. MIR specifications for EMD Void (EMDV)

- a) The MIR specifications for EMD Void (EMDV) will be formatted using the same MIR specifications as the existing MCO Void MIR.
- b) A new Ticketing/EMD command used indicator 'Z' will be designated in the MIR to identify an EMD Void (EMDV). The new indicator will be placed in the Header Section, Label T50IN12 (Ticketing/EMD Command Used).
- c) The EMD Void MIR will only be transmitted at EMD Void (EMDV) and retransmission (HQNN).
- d) There will be no new MIR sections created to support an EMD Void
- e) The following MIR sections will be included in the EMD Void message.

T5 Header Section

A02 Passenger Data Section

A07 Fare Value Section

A08 Fare Basis

A09 Fare Construction

A11 Form of Payment Data

Note 1: sections A08 and A09 will not be included in the Apollo EMD Void message.

Note 2: section A00 (Customer Remark) will be included in the Apollo EMD Void message if data is present.

Note 3: even though sections A08 and A09 have no relevant data to the EMD Void, it is currently formatted for an MCO Void in the Galileo core.

- f) Data elements supported in an EMD Void MIR will be mapped to existing MIR sections which are transmitted in an MCO Void.
- g) Not all data elements (MIR labels) identified in sections of an MCO Void MIR will be required for an EMD Void; however, these data elements (MIR labels) may be used in the future. When data does not exist for these data elements (MIR labels), existing formatting will apply to the MIR message.
- h) Specifications for existing MIR sections may be found in ASK Travelport, Answer ID 9968.

Sample Apollo MCO Void MIR

T51V588092005880944028JAN111001ADL006DELTA AIR LINES										F30D0FF34734
0GK514537482ZZZZZZZ			C12345NAGAG			000		001		
USD00000000025002USD000000200GB00000000 00000000 00000000 00000000										
0000000000001234567890										
NNYYN1NNNAYV NNN NNNNNN										
0010000010000000000000010000010000000000000000000										
A00ADD THIS LIN										
A02APOLLO/MCO						1990083097501000701010			01	
SC: 051900036070001										
A0701USD		25.00USD		27.00		USDT1:		2.00GB		
A11CC000000027.00NAX371019000002004										

```
T51V588092005880944028JAN111001ADL006DELTA AIR LINES F30D0FF34734
      0GK514537482ZZZZZZZ      C12345NAGAG      000      001
USD00000000025002USD000000200GB00000000 00000000 00000000 00000000
00000000000001234567890
NNYYN1NNNAYZ NNN NNNNNN
00100000100000000000000100000100000000000000000000
A00ADD THIS LIN
A02APOLLO/MCO 1990083097501000701010 01
A0701USD 25.00USD 27.00 USDT1: 2.00GB
A11CC000000027.00NAX371019000002004
```

T51G773392005950069907MAR112110	DL006DELTA AIR LINES INC.	CCCCF14C5F9F2
X6L12345675 ZZZZZZ	N02AG 000 001	
GBP00000000000002GBP00000000	00000000 00000000 00000000	00000000
NNNYN7NNYAYV NNN GB		
00000000100000000000000100000100000000000000000		
A02JAMISON/DAVIDEDW	066980453131990046382001	01 N
A0701GBP	GBP 125.00	
A080101	00000000 F:	
A09010		
A11CC	125.00NAX371019000002004 0000	P:01

T51G773392005950069907MAR112110	DL006DELTA AIR LINES INC.	CCCCF14C5F9F2
X6L12345675 ZZZZZZ	N02AG 000 001	
GBP00000000000002GBP00000000	00000000 00000000 00000000	
NNNYN7NNNAYZ NNN GB		
00000000010000000000000001000000	000000000000000000000000	
A02JAMISON/DAVIDEDW	066980453131811300066001	01 N
A0701GBP	11.20GBP 11.20	
A080101	00000000 F:	
A09010		
A11CC	11.20NAX3710190000002004 0000	P:01

6. MIR specifications for EMD Refund (EMDR)

- a) Galileo only.
- b) The MIR specifications for EMD Refund (EMDR) will be formatted using the same MIR specifications as the existing MCO Refund MIR.
- c) A new Ticketing/EMD command used indicator 'D' will be designated in the MIR to identify an EMD Refund (EMDR). The new indicator will be placed in the Header Section, Label T50IN12 (Ticketing/EMD Command Used).
- d) The EMD Refund MIR will only be transmitted at EMD Refund (EMDR) and retransmission (HQNN).
- e) There will be no new MIR sections created to support an EMD Refund
- f) The following MIR sections will be included in the EMD Refund message.

T5 Header Section

A02 Passenger Data Section

A07 Fare Value Section

A08 Fare Basis

A09 Fare Construction

A11 Form of Payment Data

A23 Refund Section

Note 1: even though sections A08 and A09 have no relevant data to the EMD Refund, it is currently formatted for an MCO Refund in the Galileo core.

- g) Data elements supported in an EMD Refund MIR will be mapped to existing MIR sections which are transmitted in an MCO Refund.
- h) Not all data elements (MIR labels) identified in sections of an MCO Refund MIR will be required for an EMD Refund; however, these data elements (MIR labels) may be used in the future. When data does not exist for these data elements (MIR labels), existing formatting will apply to the MIR message.
- i) Specifications for existing MIR sections may be found in ASK Travelport, Answer ID 9968.

Sample Galileo MCO Refund MIR

T51G773392008540071308MAR112311	DL006DELTA AIR LINES INC.	C2BAD6C5F9F2
X6L12345675 ZZZZZZ	N02AG 000 001	
GBP00000000000002GBP00000000	00000000 00000000 00000000	00000000
NNNYN7NNYAYR NNNX GB		
000000001000000000000000100000100000000000000000000		
A02JAMISON/DAVIDEDW	067980812151990046382201	01 N
A0701GBP	GBP 15.00	
A080101	00000000 F:	
A09010		
A11CC	15.00NAX371019000002004 0000	P:01
A2300699004638220-	08MAR11 JAMISON/DAVIDEDW	B
TI:1/////		
BF:GBP 15.00		
RN:0000000451		
CR:0.0000000000		
RA:00000000000000000000000000000000	15.00GBP 15.00	
FP1:AX371019000002004	0000 15.00	

Sample Galileo EMD Refund MIR

T51G773392008540071308MAR112311	DL006DELTA AIR LINES INC.	CCCF14C5F9F2
X6L12345675 ZZZZZZ	N02AG 000 001	
GBP00000000000002GBP00000000	00000000 00000000 00000000	00000000
NNNYN7NNYAYD NNNX GB		
000000001000000000000000100000100000000000000000000		
A02JAMISON/DAVIDEDWARDMR	067980812151811300066001	01 N
A0701GBP	11.20GBP 11.20	
A080101	00000000 F:	
A09010		
A11CC	11.20NAX371019000002004 0000	P:01
A230068113000660 -	08MAR11 JAMISON/DAVIDEDWARDMR	B
TI:12/////		
BF:GBP 11.20		
AU: 0001266378123		
CR:0.0000000000		
RA:00000000000000000000000000000000	11.20GBP 11.20	
FP1:AX371019000002004	0000 11.20	

7. MIR specifications for Galileo EMD Exchange (EMDI/EXE)

- a) This is the MIR specification for Galileo EMD Exchange only. The MIR specification for Apollo EMD Exchange will be released at a later date in an update to this advisory.
- b) The MIR specification for Galileo EMD Exchange (EMDI/EXE) will be formatted into existing MIR sections used in an E-Ticket Exchange and EMD Issue (EMDI).
- c) A new Ticketing/EMD command used indicator 'I' will be designated in the MIR to identify an EMD Exchange (EMDI/EXE). The new indicator will be placed in the Header Section, Label T50IN12 (Ticketing/EMD Command Used).
- d) The EMD Exchange MIR will only be transmitted at EMD Exchange (EMDI/EXE) and retransmission (HQNN).
- e) There will be no new MIR sections created outside of MIR sections A29 and A30 for an EMD Issue to support an EMD Exchange.
- f) The following MIR sections may be transmitted in a **Galileo** EMD Exchange (EMDI/EXE) based on the configuration of the MIR Type/MIR Options Tables and data present in the Booking File.

T5 Header Section

A02 Passenger Data Section

A03 Frequent Flyer Section

A04 Airline Data Section

A10 Ticket Exchange Section

A11 Form of Payment Data Section

A12 Phone Data Section

A13 Address Data Section

A14 Back Office/Ticket Remarks Section

A15 Associated/Unassociated Remarks Section

A16 Auxiliary Segments Section

A20 SSR/OSI Data Section

A22 Seat Data Section

A29 EMD Data Section

A30 EMD Coupon Data Section

- g) Data elements supported in an EMD Exchange will be mapped to existing MIR sections which are transmitted in an E-Ticket Exchange and EMD Issue.
- h) Not all data elements (MIR labels) identified in sections of an E-Ticket Exchange or EMD Issue will be required for an EMD Exchange; however, these data elements (MIR labels) may be used in the future. When data does not exist for these data elements (MIR labels), existing formatting will apply to the MIR message.
- i) Specifications for existing MIR sections may be found in ASK Travelport, Answer ID 9968.

Note: Sample MIRs are for illustration purposes only.

Sample Galileo EMD Exchange MIR

```

T51G773392013850386006APR121545 KL074KLM-ROYAL DUTCH AIRLINES15APR12CCCF14C5F9F2
CC0 CC099999999 THPKM2 A1234N02AG29MAR1200806APR12008
000000000000 EUR00000000 00000000 00000000 00000000 00000000 000000000000
NNNNN5YNNAYI NNNX NL
0000000010000010000010000010010010000010000000000

A02SMITH/JAMES 2 00 01N
EN:SMITH/JAMES

A0401KL074KLM ROYAL DU 597U HK15APR1005 2135 2AMSAMSTERDAM CPTCAPE TOWN INM 00
777 06024F TK:YJT:11.30ANL:KLM ROYAL DUTCH AIRLINES

A100130MAR1299999999AMS 000000000 S E
TI:074914000130 1
EUR000000150.00 T1: T2: T3: T4: T5:
000000150.0000000000000000

A11EX 0.00N P:01

A12DENB /

A14VL-172929MARMUCQY1AZUHIVU

A220101 011EHKNNNNNNNNNNNNNNNNNN

A290101ASVCAAASMITH/JAMES 0749140001311
KLEUR 150.00 EUR 150.00 CA
150.00
ED-/RL-0749538551513

A30010110749140001311KLAMS15APR010B5ECONOMY COMFORT
EUR 150.00 EUR
150.000749538551513
EC-/NC-Y/NR-Y

```

Sample of Original EMD after Exchange

```

0749140001303 SMITH/JAMES THPKM2/1G/0CC0 99999999
CPN RFISC DESCRIPTION VALUE DATE STATUS
1 A-0B5 ECONOMY COMFORT EUR 150.00 EXCH
EMD DOCUMENT TOTAL: EUR 150.00
>EMD DETAIL DISPLAY .
>EMD VOID ..
>

0749140001303 SMITH/JAMES THPKM2/1G/0CC0 99999999

***** EMD 0749140001303 COUPON 1 DETAILS *****

RFI: A-0B5 ECONOMY COMFORT
DATE OF SERVICE: QUANTITY OF SERVICES/FEES: 1
CPN AMT CPN STATUS ESAC
EUR 150.00 EXCHANGED 07400000RUHAV

PRESENT TO: KLM ROYAL DUTCH AIRLINES
PRESENT AT: AMSTERDAM/AMS

```

ASSOCIATED TO TKT: 1 074 9538551513

***** EMD DOCUMENT DETAILS *****

EMD FARE DATA

BASE: EUR 150.00

EQUIV:

TOTAL: EUR 150.00

FOP: CA

AMT:150.00

NAME: SMITH/JAMES

GDS PNR: 1G/THPKM2

CARRIER PNR: 1A/ZUHIVU

AGENCY: OCC0 TICKETING AGT ID:94

IATA NBR:99999999

NAME/PLACE OF ISSUE: ATP/SCHIPHOL RIJK

DATE OF ISSUE:30MAR12

>EMD REDISPLAY SUMMARY .

>EMD VOID ..

Sample of New EMD after Exchange

0749140001311 SMITH/JAMES THPKM2/1G/OCC0 99999999

***** EMD 0749140001311 COUPON 1 DETAILS *****

RFI: A-0B5 ECONOMY COMFORT

DATE OF SERVICE: QUANTITY OF SERVICES/FEES: 1

CPN AMT CPN STATUS ESAC

EUR 150.00 OPEN FOR USE

PRESENT TO: KLM ROYAL DUTCH AIRLINES

PRESENT AT: AMSTERDAM/AMS

ASSOCIATED TO TKT: 1 074 9538551513

***** EMD DOCUMENT DETAILS *****

EMD FARE DATA

BASE: EUR 150.00

EQUIV:

TOTAL: EUR NOADC

FOP: CA

NAME: SMITH/JAMES

GDS PNR: 1G/THPKM2

CARRIER PNR: KL/ZUHIVU

AGENCY: OCC0 TICKETING AGT ID:25

IATA NBR:99999999

NAME/PLACE OF ISSUE: ATP/SCHIPHOL RIJK

DATE OF ISSUE:06APR12

ORIG ISSUE: 0749140001303AMS30MAR1299999999

EXCHG/REISSUE DOC: 0749140001303

>EMD REDISPLAY SUMMARY .

>EMD VOID

8. MIR specifications for Apollo EMD Exchange (EMDI/EXE)

- a) This is the MIR specification for Apollo EMD Exchange only.
- b) The MIR specification for Apollo EMD Exchange (EMDI/EXE) will be formatted into existing MIR sections used in an E-Ticket Exchange and EMD Issue (EMDI).
- c) A new Ticketing/EMD command used indicator 'I' will be designated in the MIR to identify an EMD Exchange (EMDI/EXE). The new indicator will be placed in the Header Section, Label T50IN12 (Ticketing/EMD Command Used).
- d) The EMD Exchange MIR will only be transmitted at EMD Exchange (EMDI/EXE) and retransmission (HQNN).
- e) There will be no new MIR sections created outside of MIR sections A29 and A30 for an EMD Issue to support an EMD Exchange.
- f) The following MIR sections may be transmitted in an **Apollo** EMD Exchange (EMDI/EXE) based on the configuration of the MIR Type/MIR Options Tables and data present in the Booking File.

T5 Header Section

A00 Customer Remark Section

A02 Passenger Data Section

A03 Frequent Flyer Section

A04 Airline Data Section

A06 Seat Data Section

A10 Ticket Exchange Section

A11 Form of Payment Data Section

A12 Phone Data Section

A13 Address Data Section

A14 Back Office/Ticket Remarks Section

A15 Associated/Unassociated Remarks Section

A16 Auxiliary Segments Section

A20 SSR/OSI Data Section

A22 Seat Data Section

A29 EMD Data Section

A30 EMD Coupon Data Section

- g) Data elements supported in an EMD Exchange will be mapped to existing MIR sections which are transmitted in an E-Ticket Exchange and EMD Issue.
- h) Not all data elements (MIR labels) identified in sections of an E-Ticket Exchange or EMD Issue will be required for an EMD Exchange; however, these data elements (MIR labels) may be used in the future. When data does not exist for these data elements (MIR labels), existing formatting will apply to the MIR message.
- i) Specifications for existing MIR sections may be found in ASK Travelport, Answer ID 9968.

Note: Sample MIRs are for illustration purposes only

Sample Apollo EMD Exchange MIR

1 2 3 4 5 6 7 8
123456789012345678901234567890123456789012345678901234567890123456

```

T51V588092014820954028OCT110233PDL006DELTA AIR LINES 04FEB120402F6F34734
0GK50GK599999999ZVL8TN0 C12345NAGAG28OCT1100028OCT11004
USD00000000000002USD00000000 00000000 00000000 00000000 00000000 000000000000
NNYYN0YNNBYI NNN NNNNNN
001000001001001000001000001001001001001001001000

A00CORPORATE ACCOUNT

A02WILSON/JENNIFER 301001200021 01
EN:WILSON/JENNIFER

A03WILSON/JENNIFER DL 12345678

A0401DL006DELTA 1860Y HK04FEB0255P0449P2ATL ATLANTA MIAMIAMI DN OO
757S 00595F1ANL:DELTA AIR LINES

A060123AN

A10010068021000165 01 EUSD0000000035.00000000.00000000.00
000000035.000000000000DEN 28OCT11AX371019000002004

A11EX000000000.00NAX371019000002004 0000

A12CHIAS/555 555-5555

A13W-A EXCHANGE"12 OAK ST"DENVER CO 12345"

A14SA-01"100"14

A1500THANK YOU FOR CHOOSING OUR AGENCY

A1660204FEB12TZZ MIA BK
FF:02*MIAMI CRUISE LINE
CF:021234A9B
UI:0201

A290101ASVCAACWILSON/JENNIFER 0068021000166
DLUSD 35.00 USD 35.00 CC
35.00M22375
ED-/ER-NON REFUNDABLE/RL-0069900124459

A30010110068021000166DLATL04FEB010AARFIC-C EMD-A PREPAY BAG
USD 35.00 USD
35.000069900124459
EC-/NC-N/NR-Y

```

Sample of Original Apollo EMD after Exchange

12345678901234567890123456789012345678901234567890123456789012345678901234567890123456
1 2 3 4 5 6 7 8

0068021000165 WILSON/JENNIFER VL8TN0/1V/0GK5 99999999

***** EMD 0068021000165 COUPON 1 DETAILS *****

RFI: C-0AA RFIC-C EMD-A PREPAY BAG
DATE OF SERVICE: 04FEB12 QUANTITY OF SERVICES/FEES: 1
CPN AMT CPN STATUS ESAC
USD 35.00 EXCHANGED 0060000ORIHTZ

PRESENT TO: DELTA AIR LINES
PRESENT AT: ATLANTA/ATL
ASSOCIATED TO TKT: 1 006 9900124459

***** EMD DOCUMENT DETAILS *****

ENDORSEMENT RESTRICTIONS:
NON REFUNDABLE

EMD FARE DATA
BASE: USD 35.00
EQUIV:
TOTAL TAX: 0
TOTAL: USD 35.00

FOP: CCAXXXXXXXXXXXXX2004 EXPXXXX M123422 AMT:35.00

NAME: WILSON/JENNIFER
GDS PNR: 1V/VL8TN0
CARRIER PNR: DL/GI5HQ6

AGENCY: 0GK5 TICKETING AGT ID:02 IATA NBR:99999999
NAME/PLACE OF ISSUE: GALILEO TRAVEL/DENVER
DATE OF ISSUE:29DEC11

>EMD REDISPLAY SUMMARY í
>EMD HISTORY DISPLAY í
>EMD VOID í.
>EMD REFUND í.

Sample of New Apollo EMD after Exchange

0068021000166 WILSON/JENNIFER VL8TN0/1V/0GK5 99999999

***** EMD 0068021000166 COUPON 1 DETAILS *****

RFI: C-0AA RFIC-C EMD-A PREPAY BAG
DATE OF SERVICE: 04FEB12 QUANTITY OF SERVICES/FEES: 1
CPN AMT CPN STATUS ESAC
USD 35.00 OPEN FOR USE

PRESENT TO: DELTA AIR LINES
 PRESENT AT: ATLANTA/ATL
 ASSOCIATED TO TKT: 1 006 9900124459

***** EMD DOCUMENT DETAILS *****

ENDORSEMENT RESTRICTIONS:
 NON REFUNDABLE

EMD FARE DATA
 BASE: USD 35.00
 EQUIV:
 TOTAL TAX: 0
 TOTAL: USD 35.00

FOP: CCAXXXXXXXXXXXXX2004 EXPXXXX M22375 AMT:35.00

NAME: WILSON/JENNIFER
 GDS PNR: 1V/VL8TN0
 CARRIER PNR: DL/GI5HQ6

AGENCY: 0GK5 TICKETING AGT ID:02 IATA NBR:99999999
 NAME/PLACE OF ISSUE: GALILEO TRAVEL/DENVER
 DATE OF ISSUE:29DEC11
 ORIG ISSUE: 0068021000165
 EXCHG/REISSUE DOC: 0068021000165

>EMD REDISPLAY SUMMARY í
 >EMD HISTORY DISPLAY í
 >EMD VOID í.
 >EMD REFUND í.

Glossary

Term	Definition
EMD	Electronic Miscellaneous Document.
MIR Label 'BYTES'	Identifies the number of characters in this data element.
MIR 'LABEL'	The name which is used to identify the data element for programming and support purposes.
MIR 'LEVEL'	Indicates whether this data element is the main level or a sublevel to a main data set.
MCO	Miscellaneous Charge Order
MIR	Machineable Interface Record
MIR Label 'TYPE'	Identifies the type of characters that may be expected in this data element.
MIR Item	Set of data elements beginning with a section ID, ending in a single carriage return.
MIR Line	Set of data elements between carriage returns.
MIR Section	Set of data elements beginning with a section ID, ending in two carriage returns.

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