

LOGO HERE

DEMO AIR (XXX)

AHM-565

REV 0, DD/MM/YYYY

A319-112 FLEET

REGISTRATION	MODEL
XX-XXX	A319-112 (MSNXXXX)
XX-XXX	A319-112 (MSNXXXX)

Revision note(s):
INITIAL ISSUE

Completed by:XXXX

Reviewed by:XXXX

AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

**Contact and Message Information
Supplier Contacts**

A

Sheet 1

Carrier

XXX

1 SUPPLIER'S CONTACTS

Completed sheets and changes of basic data and procedure must be forwarded to:

MAILING ADDRESS: (INC. TEL & FAX)

TELETYPE ADDRESSES:

E-MAIL ADDRESSES:

DATA TRANSFER METHOD:

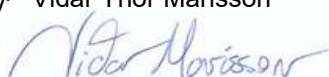
Direct data transmitted	
E-Document	X
Hard Copy Doc	
Other (Specify)	

Remarks:

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Issue No: 0

Date: 05 / 08 / 18

2 CARRIER'S CONTACTS

Database output and related material (e.g. test loadsheets) must be forwarded to:

MAILING ADDRESS: (INC. TEL & FAX)

TELETYPE ADDRESSES:

E-MAIL ADDRESSES:

DATA TRANSFER METHOD:

Direct data transmitted	
E-Document	X
Hard Copy Doc	
Other (Specify)	

Remarks:

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Issue No: 0

Date: 05 / 08 / 18

4 LIST OF EFFECTIVE SHEETS

The issue number and the date are mandatory.

Section	Sheet	Multiple Page Identifier	Sheet Issue Number	Date (YYYYMMDD)
A	1		0	20180508
A	2		0	20180508
A	3		0	20180508
A	4	1	0	20180508
A	4	2	0	20180518
A	5		0	20180508
B	1		0	20180508
B	2		0	20180508
B	3		0	20180508
B	4		0	20180508
C	1		0	20180508
C	2		0	20180508
C	3		0	20180508
C	4		0	20180508
C	5		0	20180508
C	5	1	0	20180508
C	5	2	0	20180508
C	5	3	0	20180508
C	5	4	0	20180508
C	7		0	20180508
C	8	1	0	20180508
C	8	2	0	20180508
C	8	3	0	20180508
C	8	4	0	20180508
C	9		0	20180508
C	11		0	20180508
D	2		0	20180508
D	3		0	20180508
D	5		0	20180508

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5 AUTOMATICALLY PRODUCED DOCUMENTS

(tick as required)

- | | |
|-------------------------------------|----------------------------|
| ☒ | LOADSHEET |
| ☒ | LOADING INSTRUCTION/REPORT |
| ☐ | NOTOC |
| ☐ | PASSENGER INFO LIST |
| ☐ | SEATPLAN |

6 MESSAGE REQUIREMENTS

(tick as required)

- | | |
|-------------------------------------|--|
| ☐ | ALI Abbreviated Load Information Message AHM 584 |
| ☐ | CPM Container/Pallet Distribution Message AHM 587 |
| ☐ | FMM Fuel Monitoring Message AHM 782 |
| ☐ | IDM Industry Discount Message Recommended Practice 1714 |
| ☒ | LDM Load Message AHM 583 |
| ☐ | MVT Movement Message AHM 011 and 780 |
| ☐ | PFS Passenger Final Sales Message Recommended Practice 1719 (dispatch only) |
| ☐ | PNL/ADL Passenger Name List, and Additions and Deletions List
(Recommended Practice 1708) (acceptance only) |
| ☐ | PTM Passenger Transfer Message Recommended Practice 1718 |
| ☐ | RQL Request List Message Recommended Practice 1709 (dispatch only) |
| ☐ | RQM Request Information Message AHM 783 |
| ☐ | SAL Seats Available List Recommended Practice 1713 (acceptance only) |
| ☐ | SLS Statistical Load Summary AHM 588 |
| ☐ | SOM Seats Occupied Message Recommended Practice 1712 |
| ☐ | TPM Teletype Passenger Manifest Recommended Practice 1717 (dispatch only) |
| ☐ | UWS ULD/Bulk Load Weight Signal AHM 581 (acceptance only) |
| ☐ | Other (Specify): |

7 MESSAGE ADDRESSES

Attach a complete address list for all messages mentioned under paragraph 4 above.

8 MULTIPLE SHEETS NUMBERING

In the event of the requirement to produce multiple copies of the same sheets (e.g. C5, C9) establish an additional sequence identifier while keeping the original sheet number.

E.g. C5.1, C5.2, etc.

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Issue No: 0

Date: 05 / 08 / 18

1 STANDARD UNITS AND CODES

1.1 Definition of airline units of measure

Unit	Measurement (tick one for each unit)
Weight:	☒ Kilogram ☐ Pound
Volume:	☒ Cubic Metre ☐ Cubic Feet

1.2 Definition of class codes

The following class naming convention shall be used throughout the document.

Class codes: (e.g. F, Y, C, M, etc.)

Class Code	Priority Code	Description
B	1	
C	2	
E	3	
Y	4	

Define airline unique load information codes here.

Airline Load Information Code	Description
N/A	

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Issue No: 0

Date: 05 / 08 / 18

2 CREW AND CREW BAGGAGE WEIGHTS

2.1 Crew weights

Description*	Gender	Flight Deck Crew Weights		Cabin Crew Weights	
		Crew	Hand Baggage	Crew	Hand Baggage
PIC/SIC	N/A	85			
OBS #1	N/A	85			
FA				75	

* descriptions may include domestic, international, charter, route, etc.

Hand baggage weight is included in the above mentioned crew weights.
If No: Actual or standard hand baggage weight must be used.

Yes ☒ No ☐

2.2 Crew baggage weights (other than hand baggage)

Description*	Flight Deck Crew Baggage	Cabin Crew Baggage
N/A		

* Variations may include domestic, international, charter, route, etc.

Remarks:

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(Signature)



Issue No: 0
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3 PASSENGER AND BAGGAGE WEIGHTS

3.1 Standard / Default Passenger / Cabin Baggage Weights

Enter standard passenger weights, followed by any variations.

Description	Adult	Male	Female	Child	Infant	Hand Baggage
Standard	84	84	84	35	0	

Hand baggage weight is included in the above mentioned crew weights. If No: Actual or standard hand baggage weight must be used.

Yes ☒ No ☐

Remarks (conditions for oversize, etc):

3.2 Passenger / Hand Baggage Weights by Class

Enter standard passenger weights, followed by any variations.

Class	Standard/variations*	Adult	Male	Female	Child	Infant	Cabin Bag
	N/A						

* Variations may include domestic, international, charter, route, etc.

Hand baggage weight is included in the above mentioned crew weights. If No: Actual or standard hand baggage weight must be used.

Yes ☐ No ☐

Remarks:

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3.3 Checked baggage weight

Enter standard baggage weights, followed by any variations.

Description *	Class	Weight per Piece	Weight per Passenger
Standard bags	ALL	25.0	25.0

* Variations may include domestic, international , charter, route, etc.

Remarks (conditions for Oversize etc.):

Enter standard baggage weights, followed by any variations.

Description *	Class	Average Bags/Pax	Average Bag Weight/Pax	Average Bag Volume
Standard bags	ALL	1	25	N/A

* Variations may include domestic, international , charter, route, etc.

Remarks

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(Signature)



Issue No: 0
Date: 05 / 08 / 18

AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

Aircraft Information
Units of Measurement

C

Sheet 1

Seat Config: **ALL**

Aircraft Type: **A319**

Carrier

Load Config: **ALL**

XXX

1 AIRCRAFT TYPE OR FLEET

Manufacturer: Aircraft Manufacturer

Aircraft type: IATA or ICAO aircraft type code

Series or subtype: Also referred to as suffix in the IATA SSIM manual

Aircraft Name: Aircraft type as it appears on the loadsheet

1.1 Definitions of Aircraft Units of Measure

Weight	☒ Kilograms	☐ US Pounds
Length	☐ Centimeters	☐ Inches
	☒ Metres	☐ Feet
Liquid Volume	☒ Litres	☐ US Gallons
Volume	☒ Cubic Metres	☐ Cubic Feet
Fuel Density	☒ KG / Liters	☐ LB / US Gallon
Moments	☐ KG Inches	☐ LB Inches
	☐ KG Centimeters	☐ LB Centimeters
	☒ KG Metres	☐ LB Metres

Tick as appropriate

Remarks:

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(Signature)



Issue No: 0

Date: 05 / 08 / 18

AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

**Aircraft Information
Loadsheet Options**

C

Sheet 2

Seat Config: **ALL**

Aircraft Type: **A319**

Carrier

Load Config: **ALL**

Registrations: **DEMO REG**

XXX

2 BALANCE AND SPECIAL INFORMATION — OUTPUT ON LOADSHEET

2.1 Balance output

Item		Prelim		Final		Remarks
		EDP AHM517	ACARS AHM518	EDP AHM517	ACARS AHM518	
Basic Index	BI	X	X	X	X	
Dry Operating Index	DOI	X	X	X	X	
Deadload Index	DLI	X	X	X	X	
Deadload MAC	MACDLW*	X	X	X	X	
Loaded Index at take-off weight	LITOW	X	X	X	X	
Loaded Index at landing weight	LILAW	X	X	X	X	
MAC — at zero fuel weight	MACZFW*	X	X	X	X	
MAC — at take-off weight	MACTOW*	X	X	X	X	
MAC — at landing weight	MACLAW*	X	X	X	X	
Stabilizer trim setting at take-off	STABTO	X	X	X	X	
Stabilizer trim setting at landing	STABLA					

* Indicate if RC (Reference Chord) to be printed on loadsheet in place of MAC

2.2 Passenger trim output

Trim	(tick as required)	Remarks*
Class trim	X	
Cabin area trim	X	
Seat row trim		

*Remarks: Indicate any other terminology to be printed on the loadsheet (Ref AHM517 6.2 item 44).

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AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

Aircraft Information Loadsheet Options

C

Sheet 3

Carrier

XXX

Seat Config: **ALL**

Aircraft Type: **A319**Load Config: **ALL**Registrations: **DEMO REG**

2.3 Supplementary Information

[illegible]

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(Signature)

Vidar Morisson

Issue No: 0

Date: 05 / 08 / 18

Seat Config: **ALL**

Aircraft Type: **A319**

Carrier

Load Config: **ALL**

Registrations: **DEMO REG**

XXX

3 BASIC INDEX AND MAC/RC FORMULA

3.1 Examples and definitions

$$\text{Index} = \frac{W \bullet (\text{Balance Arm} - \text{Reference Arm.})}{C} + K$$

$$\% \text{MAC} / \text{RC} = \frac{\frac{C \bullet (I - K)}{W} + \text{Reference Arm} - \text{LEMAC or LERC}}{\frac{\text{MAC or RC}}{100}}$$

W = Weight, actual.

Balance Arm = Station, horizontal distance in length units from reference datum to the location.

Reference Arm = reference Station/axis. Selected Station around which all index values are calculated.

K = Constant used as a plus value to avoid negative index figures

C = Defined Weight Constant used as a denominator to convert moment values into index values.

I = index value corresponding to respective weight.

MAC / RC = length of Mean Aerodynamic Chord/reference Chord in length units

3.2 Index formula

Reference Arm at =	17.250	Length units from reference datum
K (constant) =	50	
C (constant) =	1,000	

3.3 MAC/RC information

Length of MAC/RC =	4.1935	length units
LEMAC/LERC =	16.202	length units reference datum.

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Issue No: 0
Date: 05 / 08 / 18

AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

Aircraft Information
Centre of Gravity Limits

C

Sheet 5

Seat Config: **ALL**

Aircraft Type: **A319**

Carrier

Load Config: **ALL**

Registrations: **DEMO REG**

XXX

4 CENTRE OF GRAVITY CHARTS

4.1 CG — limits for loadsheets

Purposes

Enter the forward and the aft balance limits in the boxes, commencing at the lowest possible operating weight and terminating at the highest possible operating weight to be checked.

IMPORTANT: If limits are affected and/or determined by passenger/fuel/version or other conditions, specify each set of limits on a separate sheet, entering the special condition(s) in the box.

Table Name:

Condition:

From: To: Type:

Envelope is: Certified: ☒ Curtailed: ☐

FORWARD

Specify applicability *	Weight	MAC	Index
LDW+ZFW+TOW+TXI	34500	14.0%	33.7
LDW+ZFW+TOW+TXI	53000	14.0%	25.6
ZFW	57000	16.9%	30.7
LDW	61000	19.8%	36.7
TOW+TXI	63000	21.0%	39.4
TOW-LIMIT1+TXI	64000	21.0%	39.3
TXI-LIMIT1	64400	21.0%	39.2
TOW-LIMIT2+TXI	68000	21.0%	38.6
TXI-LIMIT2	68400	21.0%	38.5
TOW-LIMIT3+TXI	70000	21.0%	38.3
TXI-LIMIT3	70400	21.0%	38.2

AFT

Specify applicability *	Weight	MAC	Index
LDW+ZFW	35400	39.0%	70.8
TOW+TXI	35400	31.0%	58.9
TOW+TXI	49600	39.0%	79.1
ZFW	57000	39.0%	83.5
LDW+TOW+TXI	61000	39.0%	85.8
TOW-LIMIT1+TXI	64000	39.0%	87.6
TXI-LIMIT1	64400	39.0%	87.8
TOW-LIMIT2+TXI	68000	38.1%	87.4
TXI-LIMIT2	68400	38.1%	87.6
TOW-LIMIT3+TXI	70000	37.5%	86.7
TXI-LIMIT3	70400	37.5%	86.9

*Zero fuel (ZFW), taxi (TXI), take-off (TOW), inflight (IF), landing (LDW), TOW-LIMIT(Max allowed limitation)

NOTE1: Aircraft type has two certified takeoff and taxi operation limits see LIMIT1 64000 KG, LIMIT2 68000KG. LIMIT3 70000KG. Refer to operator which limit is used.

NOTE2: Refer to 5.1 to 5.4 for curtailed envelopes. Curtailed envelopes are corrected for factors affecting flight such as crew movements, pax movements, fuel effect and external surface movements(flaps/slats/gear).

Completed by: Vidar Thor Marisson

(Signature)



Issue No: 0

Date: 05 / 08 / 18

AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

Aircraft Information
Center of Gravity Limits

C
Sheet 5.1

Load Config: **ALL**

Aircraft Type: **A319**

Registrations: **DEMO REG**

Carrier
XXX

4 CENTER OF GRAVITY CHARTS

4.1 CG — limits for loadsheets

Purposes

Enter the forward and the aft balance limits in the boxes, commencing at the lowest possible operating weight and terminating at the highest possible operating weight to be checked.

IMPORTANT: If limits are affected and/or determined by subnumeraries/fuel/version or other conditions, specify each set of limits on a separate sheet, entering the special condition(s) in the box.

Table Name: **Main**

Condition: **Curtailed envelope IN FLIGHT**

From:

To:

Type:

Envelope is: Certified: ☐ Curtailed: ☒

FORWARD

Specify applicability*	Weight	MAC	Index
IN FLIGHT	35400	13.9%	33.6
IN FLIGHT	53000	13.3%	24.0
IN FLIGHT	63000	20.1%	37.1
IN FLIGHT LIMIT 1	64000	20.1%	36.8
IN FLIGHT LIMIT 2	68000	20.5%	37.1
IN FLIGHT LIMIT 3	70000	20.0%	35.3

AFT

Specify applicability*	Weight	MAC	Index
IN FLIGHT	35400	36.2%	66.7
IN FLIGHT	49000	37.3%	75.6
IN FLIGHT	61000	37.8%	82.8
IN FLIGHT LIMIT 1	64000	37.9%	84.7
IN FLIGHT	65300	38.0%	85.5
IN FLIGHT LIMIT 2	68000	37.1%	84.6
IN FLIGHT LIMIT 3	70000	36.6%	84.0

LIMIT 1 : LIMITATION VARIANT WITH 64000 KG

LIMIT 2: LIMITATION VARIANT WITH 68000 KG

LIMIT 3: LIMITATION VARIANT WITH 70000 KG

*In flight envelope (IN FLIGHT)

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(Signature)



Issue No: 0

Date: 05 / 08 / 18

AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

Aircraft Information
Center of Gravity Limits

C

Sheet 5.2

Load Config: **ALL**

Aircraft Type: **A319**

Registrations: **DEMO REG**

Carrier

XXX

4 CENTER OF GRAVITY CHARTS

4.1 CG — limits for loadsheets

Purposes

Enter the forward and the aft balance limits in the boxes, commencing at the lowest possible operating weight and terminating at the highest possible operating weight to be checked.

IMPORTANT: If limits are affected and/or determined by subnumaries/fuel/version or other conditions, specify each set of limits on a separate sheet, entering the special condition(s) in the box.

Table Name:

Condition:

From:

To:

Type:

Envelope is: Certified: ☐ Curtailed: ☒

FORWARD

Specify applicability*	Weight	MAC	Index
TAKE OFF	35400	14.4%	34.2
TAKE OFF	53000	14.3%	26.1
TAKE OFF	63000	21.2%	39.9
TAKE OFF LIMIT 001	64000	21.2%	39.7
TAKE OFF LIMIT 002	64400	21.2%	39.1
TAKE OFF LIMIT 003	70000	21.2%	38.8

AFT

Specify applicability*	Weight	MAC	Index
TAKE OFF	35400	31.0%	58.8
TAKE OFF	49600	39.0%	79.0
TAKE OFF	61000	39.0%	85.7
TAKE OFF LIMIT 001	64000	39.0%	87.5
TAKE OFF LIMIT 002	68000	38.1%	87.3
TAKE OFF LIMIT 003	70000	37.5%	86.6

*Take off envelope (TAKE OFF)

TAKE OFF LIMIT1: WEIGHT VARIANT WITH MTOW 64000 K

TAKE OFF LIMIT2: WEIGHT VARIANT WITH MTOW 68000 K

TAKE OFF LIMIT3: WEIGHT VARIANT WITH MTOW 70000 K

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Issue No: 0

Date: 05 / 08 / 18

AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

Aircraft Information
Center of Gravity Limits

C
Sheet 5.3

Load Config: **ALL**

Aircraft Type: **A319**

Registrations: **DEMO REG**

Carrier

XXX

4 CENTER OF GRAVITY CHARTS

4.1 CG — limits for loadsheet

Purposes

Enter the forward and the aft balance limits in the boxes, commencing at the lowest possible operating weight and terminating at the highest possible operating weight to be checked.

IMPORTANT: If limits are affected and/or determined by subnumaries/fuel/version or other conditions, specify each set of limits on a separate sheet, entering the special condition(s) in the box.

Table Name:

Condition:

From: To: Type:

Envelope is: Certified: ☐ Curtailed: ☒

FORWARD

Specify applicability*	Weight	MAC	Index
LANDING	35400	14.4%	34.2
LANDING	53000	14.3%	26.1
LANDING	61000	20.0%	37.2

AFT

Specify applicability*	Weight	MAC	Index
LANDING	35400	39.0%	70.7
LANDING	61000	39.0%	85.7

*Landing envelope (LANDING)

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(Signature) 

Issue No: 0
Date: 05 / 08 / 18

AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

Aircraft Information
Center of Gravity Limits

C
Sheet 5.4

Load Config: **ALL**

Aircraft Type: **A319**

Registrations: **DEMO REG**

Carrier

XXX

4 CENTER OF GRAVITY CHARTS

4.1 CG — limits for loadsheets

Purposes

Enter the forward and the aft balance limits in the boxes, commencing at the lowest possible operating weight and terminating at the highest possible operating weight to be checked.

IMPORTANT: If limits are affected and/or determined by subnumeraries/fuel/version or other conditions, specify each set of limits on a separate sheet, entering the special condition(s) in the box.

Table Name:

Condition:

From: To: Type:

Envelope is: Certified: ☐ Curtailed: ☒

FORWARD

Specify applicability*	Weight	MAC	Index
ZERO FUEL	35400	17.0%	38.2
ZERO FUEL	53000	15.8%	29.6
ZERO FUEL	57000	18.6%	34.7

AFT

Specify applicability*	Weight	MAC	Index
ZERO FUEL	37230	35.2%	65.2
ZERO FUEL	61000	36.7%	77.9

*Zero fuel envelope (ZERO FUEL)

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Issue No: 0
Date: 05 / 08 / 18

AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

Aircraft Information
Ideal Trim Line and Tipping Limits

C

Sheet 7

Seat Config: **ALL**

Aircraft Type: **A319**

Carrier

Load Config: **ALL**

Registrations: **DEMO REG**

XXX

4.3 Ideal Trim Line / Area

Specify Ideal Trim Line

Table Name

Condition:

From:

To:

Type:

Weight	Ideal Trim Line		Ideal Trim Area - Fwd		Ideal Trim Area - Aft	
	%MAC/RC	Index	%MAC/RC	Index	%MAC/RC	Index
N/A						

Remarks:

The IDEAL TRIM LINE shown in the balance graph below is a loadplanning limit only. In the interest of fuel economy the load in the compartments shall whenever possible, be distributed in such a way that the LIZFW is aft of this line

4.4 Lateral Imbalance Limits

Table Name

Condition:

From:

To:

Type:

Lateral Imbalance Unit

Lateral Imbalance	Weight	Type*

* Specify aircraft weight type: Taxi, Takeoff, Landing

Completed by: Vidar Thor Marisson
(Signature) 

Issue No: 0

Date: 05 / 08 / 18

AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

Aircraft Information
Fuel

C

Sheet 8.1

Seat Config: **ALL**

Aircraft Type: **A319**

Carrier

Load Config: **ALL**

Registrations: **DEMO REG**

XXX

5 FUEL

Use separate sheets for each fuel condition/procedure.

Use separate sheets for each tank or tank pair.

5.1 Effect of fuel

Enter fueling procedure or fuel tank(s) information.

Table Name:

Max Volume:

Max Weight:

Fuel Density:

Fuel Density Range: Min:

Max:

Tank Names:

Fuel Quantity		Balance Arm	Index
Volume	Weight		
400	314	19.410	0.68
800	628	19.494	1.41
1200	942	19.574	2.19
1600	1256	19.680	3.05
1760 (1)	1382	19.731	3.43
2160	1696	19.069	3.08
2560	2010	18.604	2.72
2960	2324	18.264	2.36
3360	2638	18.008	2.00
3760	2952	17.809	1.65
4160	3266	17.651	1.31
4560	3580	17.523	0.98
4960	3894	17.418	0.65
5360	4208	17.331	0.34
5760	4522	17.259	0.04
6160	4836	17.197	-0.25

Remarks :

(1): Outer Fuel Cells L+R full

Completed by: Vidar Thor Marisson

(Signature)



Issue No: 0

Date: 05 / 31 / 18

AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

Aircraft Information
Fuel

C
Sheet 8.2

Seat Config: **ALL**

Aircraft Type: **A319**

Carrier

Load Config: **ALL**

Registrations: **DEMO REG**

XXX

5.1 Effect of fuel (Cond.)

Fuel Quantity		Balance Arm	Index
Volume	Weight		
6560	5150	17.145	-0.54
6960	5464	17.100	-0.82
7360	5778	17.063	-1.08
7760	6092	17.030	-1.34
8160	6406	17.002	-1.59
8560	6720	16.978	-1.83
8960	7034	16.957	-2.06
9360	7348	16.939	-2.29
9760	7662	16.924	-2.50
10160	7976	16.910	-2.71
10560	8290	16.899	-2.91
10960	8604	16.889	-3.11
11360	8918	16.883	-3.27
11760	9232	16.884	-3.38
12160	9546	16.891	-3.43
12560	9860	16.902	-3.43
12960	10174	16.917	-3.39
13360	10488	16.937	-3.28
13760	10802	16.961	-3.12
14160	11116	16.988	-2.91
14560	11430	17.018	-2.65
14960	11744	17.050	-2.34
15360	12058	17.084	-2.01
15760	12372	17.118	-1.63
15960 (2)	12529	17.137	-1.42
16160	12686	17.126	-1.58
16360	12843	17.114	-1.75
16560	13000	17.102	-1.92
16760	13157	17.089	-2.11

Remarks

(2):Inner Fuel Cells L+R full

Completed by: Vidar Thor Marisson

(Signature)



Issue No: 0

Date: 05 / 08 / 18

AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

Aircraft Information
Fuel

C
Sheet 8.3

Seat Config: **ALL**

Aircraft Type: **A319**

Carrier

Load Config: **ALL**

Registrations: **DEMO REG**

XXX

5.1 Effect of fuel (Cond.)

Fuel Quantity		Balance Arm	Index
Volume	Weight		
16960	13314	17.077	-2.31
17160	13471	17.063	-2.51
17360	13628	17.050	-2.73
17560	13785	17.036	-2.95
17760	13942	17.022	-3.18
17960	14099	17.008	-3.41
18160	14256	16.994	-3.65
18360	14413	16.980	-3.89
18560	14570	16.966	-4.14
18760	14727	16.952	-4.38
18960	14884	16.939	-4.63
19160	15041	16.926	-4.87
19360	15198	16.913	-5.12
19560	15355	16.901	-5.36
19760	15512	16.889	-5.60
19960	15669	16.877	-5.85
20160	15826	16.865	-6.09
20360	15983	16.854	-6.33
20560	16140	16.842	-6.58
20760	16297	16.831	-6.82
20960	16454	16.821	-7.07
21160	16611	16.810	-7.31
21360	16768	16.799	-7.56
21560	16925	16.789	-7.80
21760	17082	16.779	-8.04
21960	17239	16.769	-8.28
22160	17396	16.760	-8.53
22360	17553	16.750	-8.77
22560	17710	16.741	-9.02

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Date: 05 / 08 / 18

AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

Aircraft Information

Fuel

C

Sheet 8.4

Seat Config: **ALL**

Aircraft Type: **A319****Carrier**Load Config: **ALL**Registrations: **DEMO REG**

XXX

5.1 Effect of fuel (Cond.)

[illegible]

Remarks:

(3): Center Tank Full (All Tanks full)

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(Signature)

Vidar Morisson

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Date: 05 / 08 / 18

AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

**Aircraft Information
Stabilizer and Trim Setting**

C

Sheet 11

Seat Config: **ALL**

Aircraft Type: **A319**

Carrier

Load Config: **ALL**

Registrations: **DEMO REG**

XXX

6 STABILIZER TRIM

6.1 Settings

For each required Thrust rating and/or Flap setting, or range of ratings/settings, supply the following data:

MAC/RC:		or Range:	(From)	(To)
Flaps setting:	ALL	or Range:	(From)	(To)
Thrust rating:		or Range:	(From)	(To)

If required, specify ANU (A/C nose up) or AND (A/C nose down).

Nose Indication	From	To
N/A		

Take off Weight	%MAC/RC and corresponding STAB															
	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	41
0 - 70400	3.5	3.5	3.5	3.5	2.9	2.4	1.8	1.8	0.7	0.1	-0.5	-1.0	-1.6	-2.2	-2.7	-3.0

Remarks:

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Vidar Marisson

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EDP SYSTEM
SEMI – PERMANENT DATA

**Configuration Information
Holds**

D

Sheet 2

Seat Config: **ALL**

Aircraft Type: **A319**

Carrier

Load Config: **ALL**

Registrations: **DEMO REG**

XXX

2 HOLDS AND COMPARTMENTS

2.1 Holds

Deck Name:

Hold / Cpt Name	Max Weight	Volume	Balance Arm	Index per wt unit
			Centroid	
1 / FWD	2268	8.53	11.483	-0.00577
4 / AFT	3021	11.94	21.818	0.00457
BULK	1497	7.22	25.649	0.00840

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AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

Configuration Information
ULD Configurations

D

Sheet 3

Seat Config: **ALL**

Aircraft Type: **A319**

Carrier

Load Config: **ALL**

Registrations: **DEMO REG**

XXX

3 BAY CONFIGURATIONS

3.1 Loading Bay Positions

Hold name:

Group ID / Config*	Position name	Max Weight				Balance Arm			Index per Wt Unit
				Volume			Centroid		
H1	11	1045		4.14			10.746		-0.006504
H1	12	1223		4.39			12.370		-0.004880
H4	41	1326		5.23			20.485		0.003235
H4	42	1695		6.71			22.695		0.005445
H5 / BULK	51	1497		7.22			25.649		0.008400

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EDP SYSTEM
SEMI – PERMANENT DATA

**Configuration Information
Cabin and Crew Locations**

D

Sheet 5

Seat Config: **ALL**

Aircraft Type: **A319**

Carrier

Load Config: **ALL**

Registrations: **DEMO REG**

XXX

5 CABIN AND EQUIPMENT

Cabins, crew, galleys, lavatories, diplomatic (DIP) lockers

5.1 Cabin Definitions

Section	Deck	Rows		Lateral Arm		Balance ARM			Index per Weight Unit
		From	To	From	To	Centroid	FWD	AFT	
OA	Main Cabin	1	3			10.008			-0.00724
OB	Main Cabin	6	15			16.078			-0.00117
OC	Main Cabin	16	25			23.393			0.00614

5.2 Flight Deck Locations

Location	Maximum Nbr of Seats	Lateral Arm Centroid	Balance Arm Centroid	Index per Weight Unit
Pilots (PIC/SIC)	2		5.085	-0.01217
Observer #1 (OBS1)	1		5.722	-0.01153

5.3 Cabin Crew locations

Location	Deck	Maximum Nbr of Seats	Balance Arm Centroid	Index per Weight Unit
POS1 FA-FWD / Aft to toilet LA	Main Cabin	2	7.327	-0.009920
POS2 FA-AFT / AFT CTR	Main Cabin	1	27.751	0.010500
POS3 FA-AFT / Fwd of aft door LH	Main Cabin	1	28.679	0.011430

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EDP SYSTEM
SEMI – PERMANENT DATA

**Configuration Information
Galley and Other Locations**

D

Sheet 6

Seat Config: **ALL**

Aircraft Type: **A319**

Carrier

Load Config: **ALL**

Registrations: **DEMO REG**

XXX

5.4 Potable Water Locations

Specify potable water tank locations

Tank Name	Max Weight		Balance ARM			Index per Weight Unit
				Centroid		
TANK1	200			28.051		0.01100

5.5 Galleys and Other Locations

Include locations for galleys, lavs, dip lockers, etc.

Location		Max Weight				Balance ARM		Index per Weight Unit
Galley Ref	Location						Centroid	
G1	FWD GALLEY	700					6.695	-0.01056
G3	AFT GALLEY1	313					27.625	0.01038
G4	AFT GALLEY2	757					29.935	0.01215

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EDP SYSTEM
SEMI – PERMANENT DATA

Configuration Information
Seating Layout

D

Sheet 7

Seat Config: **ALL**

Aircraft Type: **A319**

Carrier

Load Config: **ALL**

Registrations: **DEMO REG**

XXX

6 SEATING

6.1 Seating Layout

First letter indicates class (e.g. C,M,J,Y)

Show the passenger seating layout for the configurations given in the box at the top by inserting the seat row numbers and letters in the following table. For special seats use the description codes listed below.

A = Aisle

B = Bassinet position

C = Crew seat

E = Emergency Exit

F = Bulkhead seat

G = Groups

H = Incapacitated passenger

I = Infant preference row / seats

J = Rear facing seats

K = Near galley

L = Leg space seat

N = No smoking

O = Over wing seat

P = Stretcher location

S = Smoking

T = Near toilet

U = Unaccompanied minor

V = Seat left vacant / offered last

W = No movie

X = Not available

Y = Not fitted

Alpha / Characters - D, R, Blank, not used

Example: MV = M class seat left vacant

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AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

Configuration Information
Seating Layout

D

Sheet 8

Seat Config: **12B114E**

Aircraft Type: **A319**

Carrier

Load Config: **ALL**

Registrations: **DEMO REG**

XXX

6.2 Seat Plan

Layout / Facilities and balance information

Section	Row	Seat Identifier										Max Weight*	Max seats	Balance Arm	Index per weight unit
		A	B	C		D	E	F							
OA	1	B		CAT		BAT		B					4	8.941	-0.008310
	2	B		BA		BA		B					4	10.008	-0.007240
	3	B		BA		BA		B					4	11.074	-0.006180
OB	6	E	E	EA		EA	E	E					6	12.751	-0.004500
	7	E	E	EA		EA	E	E					6	13.614	-0.003640
	8	E	E	EA		EA	E	E					6	14.478	-0.002770
	9	EE	E	EA		EA	E	EE					6	15.342	-0.001910
	10	EE	E	EA		EA	E	EE					6	16.180	-0.001070
	11	E	E	EA		EA	E	E					6	16.942	-0.000310
	12	E	E	EA		EA	E	E					6	17.704	0.000450
	14	E	E	EA		EA	E	E					6	18.466	0.001220
OC	15	E	E	EA		EA	E	E					6	19.228	0.001980
	16	E	E	EA		EA	E	E					6	19.990	0.002740
	17	E	E	EA		EA	E	E					6	20.752	0.003500
	18	E	E	EA		EA	E	E					6	21.514	0.004260
	19	E	E	EA		EA	E	E					6	22.276	0.005030
	20	E	E	EA		EA	E	E					6	23.038	0.005790
	21	E	E	EA		EA	E	E					6	23.800	0.006550
	22	E	E	EA		EA	E	E					6	24.536	0.007290
	23	E	E	EA		EA	E	E					6	25.273	0.008020
	24	E	E	EA		EA	E	E					6	26.010	0.008760
	25	E	E	EAT		EAT	E	E					6	26.746	0.009500

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AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

Configuration Information
Seating Layout

D

Sheet 8.1

Seat Config: **12C114Y**

Aircraft Type: **A319**

Load Config: **ALL**

Registrations: **DEMO REG**

Carrier
XXX

6.2 Seat Plan

Layout / Facilities and balance information

Section	Row	Seat Identifier										Max Weight*	Max seats	Balance Arm	Index per weight unit
		A	B	C	D	E	F								
OA	1	C		CAT		CAT		C					4	8.941	-0.008310
	2	C		CA		CA		C					4	10.008	-0.007240
	3	C		CA		CA		C					4	11.074	-0.006180
OB	6	Y	Y	YA		YA	Y	Y					6	12.751	-0.004500
	7	Y	Y	YA		YA	Y	Y					6	13.614	-0.003640
	8	Y	Y	YA		YA	Y	Y					6	14.478	-0.002770
	9	YE	Y	YA		YA	Y	YE					6	15.342	-0.001910
	10	YE	Y	YA		YA	Y	YE					6	16.180	-0.001070
	11	Y	Y	YA		YA	Y	Y					6	16.942	-0.000310
	12	Y	Y	YA		YA	Y	Y					6	17.704	0.000450
	14	Y	Y	YA		YA	Y	Y					6	18.466	0.001220
OC	15	Y	Y	YA		YA	Y	Y					6	19.228	0.001980
	16	Y	Y	YA		YA	Y	Y					6	19.990	0.002740
	17	Y	Y	YA		YA	Y	Y					6	20.752	0.003500
	18	Y	Y	YA		YA	Y	Y					6	21.514	0.004260
	19	Y	Y	YA		YA	Y	Y					6	22.276	0.005030
	20	Y	Y	YA		YA	Y	Y					6	23.038	0.005790
	21	Y	Y	YA		YA	Y	Y					6	23.800	0.006550
	22	Y	Y	YA		YA	Y	Y					6	24.536	0.007290
	23	Y	Y	YA		YA	Y	Y					6	25.273	0.008020
	24	Y	Y	YA		YA	Y	Y					6	26.010	0.008760
	25	Y	Y	YAT		YAT	Y	Y					6	26.746	0.009500

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Date: 05 / 08 / 18

AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

Configuration Information
Seating Layout

D

Sheet 8.2

Seat Config: **126C**

Aircraft Type: **A319**

Load Config: **ALL**

Registrations: **DEMO REG**

Carrier
XXX

6.2 Seat Plan

Layout / Facilities and balance information

Section	Row	Seat Identifier										Max Weight*	Max seats	Balance Arm	Index per weight unit
		A	B	C	D	E	F								
OA	1	C		CAT		CAT		C					4	8.941	-0.008310
	2	C		CA		CA		C					4	10.008	-0.007240
	3	C		CA		CA		C					4	11.074	-0.006180
OB	6	C	C	CA		CA	C	C					6	12.751	-0.004500
	7	C	C	CA		CA	C	C					6	13.614	-0.003640
	8	C	C	CA		CA	C	C					6	14.478	-0.002770
	9	CE	C	CA		CA	C	CE					6	15.342	-0.001910
	10	CE	C	CA		CA	C	CE					6	16.180	-0.001070
	11	C	C	CA		CA	C	C					6	16.942	-0.000310
	12	C	C	CA		CA	C	C					6	17.704	0.000450
	14	C	C	CA		CA	C	C					6	18.466	0.001220
OC	15	C	C	CA		CA	C	C					6	19.228	0.001980
	16	C	C	CA		CA	C	C					6	19.990	0.002740
	17	C	C	CA		CA	C	C					6	20.752	0.003500
	18	C	C	CA		CA	C	C					6	21.514	0.004260
	19	C	C	CA		CA	C	C					6	22.276	0.005030
	20	C	C	CA		CA	C	C					6	23.038	0.005790
	21	C	C	CA		CA	C	C					6	23.800	0.006550
	22	C	C	CA		CA	C	C					6	24.536	0.007290
	23	C	C	CA		CA	C	C					6	25.273	0.008020
	24	C	C	CA		CA	C	C					6	26.010	0.008760
	25	C	C	CAT		CAT	C	C					6	26.746	0.009500

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Date: 05 / 08 / 18

AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

**Configuration Information
Saleable Configurations**

D

Sheet 9

Seat Config: **ALL**

Aircraft Type: **A319**

Carrier

Load Config: **ALL**

Registrations: **DEMO REG**

XXX

6.3 Saleable Configurations

Repeat 6.3 for each saleable configuration.

Saleable Configuration: **12B/114E**

6.3.1 Cabin Area Information

Cabin Section	Number of Seats per Cabin Section and Class (specify classes below)						Total Per Cabin	Balance Arm			Index per Weight Unit
	B	E						Centroid	FWD	AFT	
OA	12						12	10.008	8.941	11.074	-0.00724
OB		54					54	16.078	12.751	19.228	-0.00117
OC		54					60	23.393	19.990	26.746	0.00614

Class code	First Row	Last Row	Number of Seats	Lateral Arm		Balance ARM			Index per Weight Unit
				From	To	Centroid	FWD	AFT	
N/A									

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AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

**Configuration Information
Saleable Configurations**

D

Sheet 9.1

Seat Config: **ALL**

Aircraft Type: **A319**

Carrier

Load Config: **ALL**

Registrations: **DEMO REG**

XXX

6.3 Saleable Configurations

Repeat 6.3 for each saleable configuration.

Saleable Configuration: **12C/114Y**

6.3.1 Cabin Area Information

Cabin Section	Number of Seats per Cabin Section and Class (specify classes below)						Total Per Cabin	Balance Arm			Index per Weight Unit
	C	Y						Centroid	FWD	AFT	
OA	12						12	10.008	8.941	11.074	-0.00724
OB		54					54	16.078	12.751	19.228	-0.00117
OC		54					60	23.393	19.990	26.746	0.00614

Class code	First Row	Last Row	Number of Seats	Lateral Arm		Balance ARM			Index per Weight Unit
				From	To	Centroid	FWD	AFT	
N/A									

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Date: 05 / 08 / 18

AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

**Configuration Information
Saleable Configurations**

D

Sheet 9.2

Seat Config: **ALL**

Aircraft Type: **A319**

Carrier

Load Config: **ALL**

Registrations: **DEMO REG**

XXX

6.3 Saleable Configurations

Repeat 6.3 for each saleable configuration.

Saleable Configuration:

6.3.1 Cabin Area Information

Cabin Section	Number of Seats per Cabin Section and Class (specify classes below)						Total Per Cabin	Balance Arm			Index per Weight Unit
		C						Centroid	FWD	AFT	
OA		12					12	10.008	8.941	11.074	-0.00724
OB		54					54	16.078	12.751	19.228	-0.00117
OC		54					60	23.393	19.990	26.746	0.00614

Class code	First Row	Last Row	Number of Seats	Lateral Arm		Balance ARM			Index per Weight Unit
				From	To	Centroid	FWD	AFT	
N/A									

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(Signature)



Issue No: 0

Date: 05 / 08 / 18

AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

Dry Operating Weight Build-Up

E

Sheet 1

Seat Config: **ALL**

Aircraft Type: **A319**

Carrier

Load Config: **ALL**

Registrations: **DEMO REG**

XXX

1 AIRCRAFT START WEIGHT

Basic Weight ☒

DOW ☐

2 DRY OPERATING WEIGHT

2.1 Dry Operating Weight Specification

Item	Included	Remarks
Basic Weight	☒	
Flight Deck Crew	☒	
Flight Deck Crew Baggage	☒	
Cabin Crew	☒	
Cabin Crew Baggage	☒	
Containers		
Pallets		
Pantry	☒	
Potable Water	☒	

Note: Items not selected are included in the total traffic load weight

Remarks:

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(Signature)



Issue No: 0

Date: 05 / 08 / 18

AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

**Dry Operating Weight Build-Up
Potable Water and Fixed Weights**

E

Sheet 3

Seat Config: **ALL**

Aircraft Type: **A319**

Carrier

Load Config: **ALL**

Registrations: **DEMO REG**

XXX

2.3 Pantry Codes

Pantry Code	Galley Location	Total Weight		Index	Remarks
A	G1(50kg)	50		0.00	
B	G1(50kg) + G4(50kg)	100		0.08	
C	G1(50kg) + G3(50kg) + G4(100kg)	200		1.21	
D	G1(100kg) + G3(100kg) + G4(100kg)	300		1.20	
E	G1(150kg) + G3(100kg) + G4(150kg)	400		1.28	
F	G1(200kg) + G3(100kg) + G4(200kg)	500		1.36	
FERRY	NO GALLEY LOAD	0		0	Ferry Flights

2.4 Potable Water Codes

Provide either full breakdown or total weight overall effect.

Potable Water Code	Tank Name	Weight	Index	Remarks
1A	PORTABLE W TNK	200	2.1	FULL TANKS

2.5 Standard Service Weight Adjustment Codes

Adjustment Code	Description	Weight	Balance Arm	Index	Remarks
N/A					

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Issue No: 0

Date: 05 / 08 / 18

AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

**Dry Operating Weight Build-Up
Aircraft Registration Weights**

E

Sheet 5

Seat Config: **ALL**

Aircraft Type: **A319**

Carrier

Load Config: **ALL**

Registrations: **DEMO REG**

XXX

2.7 Aircraft Registration Weights

Note: Carrier should complete either 2.7.1 or 2.7.2, not both.

2.7.1 Fleet Weights

Fleet Weight:					Fleet %MAC:		
					Fleet Balance ARM:		
					Fleet Index:		
Registration/ Tail Number	Enter Adjustments				Weight Config Code*	Remarks (Crew Dist & Complement)	
	Weight	%MAC/RC	Balance ARM	Index			
N/A							

* Indicates crew and or pantry codes included in DOW (optional)

2.7.2 Individual Aircraft Weights

Registration/ Tail Number	Weight	%MAC/RC	Balance ARM	Index	Weight Config Code*	Remarks
DEMO REG1	40500	25.74%	17.281	52.16		
DEMO REG2	40200	25.72%	17.280	52.16		

Note: Included operational items and portable water, weight is excluding crew and pantry

Remarks

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(Signature)



Issue No: 0

Date: 05 / 18 / 18

AHM565
EDP SYSTEM
SEMI – PERMANENT DATA

Limiting Weights

F

Sheet 1

Seat Config: **ALL**

Aircraft Type: **A319**

Carrier

Load Config: **ALL**

Registrations: **DEMO REG**

XXX

1 AIRCRAFT LIMITING WEIGHTS

1.1 Maximum Weights Tables

Table Name:

Condition:

From:

To:

Type:

Weight Table Name	Registration	Zero Fuel Weight	Landing Weight	Take Off Weight	Ramp/Taxi Weight	Remarks
A319-112 (WV001)*	DEMO REG1	57,000	61,000	64,000	64,400	
A319-112(WV002)*	DEMO REG1	57,000	61,000	68,000	68,400	
A319-112(VW003)*	DEMO REG1	57,000	61,000	70,000	70,400	
A319-112(WV001)*	DEMO REG2	57,000	61,000	64,000	64,400	
A319-112(WV002)*	DEMO REG2	57,000	61,000	68,000	68,400	
A319-112(WV003)*	DEMO REG2	57,000	61,000	70,000	70,400	

NOTE: Operational weight variant VW001 MTOW 64000, weight variant WV002 MTOW 68000, WV003 MTOW 70000

Remarks

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