AHM565

EDP SYSTEM
SEMI – PERMANENT DATA

TUIfly GmbH

Boeing 737-8

AHM565 EDP SYSTEM SEMI – PERMANENT DATA	**Contact and Message Information** **Supplier Contacts**	**A** Sheet 1
		Carrier **X3**

1 SUPPLIER'S CONTACTS

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

MAILING ADDRESS: (INC. TEL & FAX)

TUIfly Gmbh
Flughafenstr. 10
D - 30855 Langenhagen
Flight Operations Engineering
Phone: +49 (0) 511 9727 - 173

TELETYPE ADDRESSES:

HAJOWX3

E-MAIL ADDRESSES:

PERFORMANCE@TUIFLY.COM

DATA TRANSFER METHOD:	E-mail E-Document	**X**	*.pdf, *.txt

Remarks:

Completed by: Siamak Yazdan Panah	Issue No: 1.1
(Signature)	Date: 09 / 07 / 21

AHM565 EDP SYSTEM SEMI – PERMANENT DATA	**Contact and Message Information** **Carrier Contacts**	**A** Sheet 2
		Carrier **X3**

2 CARRIER'S CONTACTS

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

MAILING ADDRESS: (INC. TEL & FAX)

TUIfly Gmbh
Flughafenstr. 10
D - 30855 Langenhagen
Flight Operations Engineering
Phone: +49 (0) 511 9727 - 173

TELETYPE ADDRESSES:

HAJOWX3

E-MAIL ADDRESSES:

PERFORMANCE@TUIFLY.COM

DATA TRANSFER METHOD:	E-mail E-Document	**X**	*.pdf, *.txt

Remarks:

Completed by: Siamak Yazdan Panah	Issue No: 1.1
(Signature)	Date: 09 / 07 / 21

3 LIST OF REVISIONS

Document Issue Number	Revision Number	Related Date (YYYYMMDD)	Completed by	Reason*	Changes Overview**
1	1	20210709	S.YazdanPanah	initial release	complete doc
1	1.2	20211011	S.YazdanPanah	MAA/MAB added + Seat row trim	A3, A4, C2, F1
1	1.3	20220103	S.YazdanPanah	6.3.2 DPAG Flights added	A3, A4, D9
1	1.4	20221118	Y. Abdel Gadir	DAMAY & DAMAZ added	F1
1	1.5	20230307	Y. Abdel Gadir	DAMAD added	A3, A4, F1
1	1.6	20230821	Y.Abdel Gadir	DAMAG added, Ideal Trim Line	A3, A4, C5a, C7, F1
1	1.7	20230822	Y. Abdel Gadir	MSN corrected	F1
1	1.8	20231019	Y.Abdel Gadir	Scheduled PAX DAMAH added	A3, A4, B3, C5, C5.a, F1
1	1.9	20240202	S.YazdanPanah	DAMAG removed, DAMAH Cert Weight, SCP, CRD	A3, A4, F1, D7, D8
1	1.10	20240424	Y. Abdel Gadir	Water remark	A3, A4, E3
1	1.11	20240522	Y. Abdel Gadir	Post removed	A3, A4, D9

* Short description of changes

** If issue number changes, "Update Complete Document", else"N/U/D section sheet paragraph".

4 LIST OF EFFECTIVE SHEETS

Section	Sheet	Additional Page Identifier	Sheet Issue Number	Date (YYYYMMDD)
A	1		1.1	20210709
A	2		1.1	20210709
A	3		1.11	20240522
A	4		1.11	20240522
A	5		1.1	20210709
B	1		1.1	20210709
B	2		1.1	20210709
B	3		1.8	20231019
B	4		1.1	20210709
B	5		1.1	20210709
C	1		1.1	20210709
C	2		1.2	20211011
C	3		1.1	20210709
C	4		1.1	20210709
C	5		1.8	20231019
C	5	a	1.8	20231019
C	7		1.6	20230821
C	8		1.1	20210709
D	1		1.1	20210709
D	2		1.1	20210709
D	4		1.1	20210709
D	5		1.1	20210709
D	6		1.1	20210709
D	7		1.9	20240202
D	8		1.9	20240202
D	9		1.11	20240522
D	10		1.1	20210709
E	1		1.1	20210709
E	2		1.1	20210709
E	3		1.10	20240424
E	5		1.1	20210709
F	1		1.9	20240202

5 AUTOMATICALLY PRODUCED DOCUMENTS

X	LOADSHEET
X	LOADING INSTRUCTION/REPORT
	NOTOC
	PASSENGER INFO LIST
X	SEATPLAN

6 MESSAGE REQUIREMENTS

	ALI Abbreviated Load Information Message AHM 584
X	CPM Container/Pallet Distribution Message AHM 587
X	DIV Diversion Message AHM 781
	FMM Fuel Monitoring Message AHM 782
	IDM Industry Discount Message Recommended Practice 1714
X	LDM Load Message AHM 583
X	MVT Movement Message AHM 011 and 780
X	PFS Passenger Final Sales Message Recommended Practice 1719 (dispatch only)
X	PNL/ADL Passenger Name List, and Additions and Deletions List (Recommended Practice 1708) (acceptance only)
X	PSM Passenger Service Message Recommended Practice 1715 (dispatch only)
X	PTM Passenger Transfer Message Recommended Practice 1718
X	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
X	SOM Seats Occupied Message Recommended Practice 1712
X	TPM Teletype Passenger Manifest Recommended Practice 1717 (dispatch only)
X	UCM ULD Control Message AHM 388 (dispatch only)
	UWS ULD/Bulk Load Weight Signal AHM 581 (acceptance only)
	Other (Specify):

7 MESSAGE ADDRESSES

PFS Message to: **HDQKMX3**

8 MULTIPLE SHEETS NUMBERING

For multiple copies of the same sheet (e.g. C5) or for attachments to a sheet an additional page sequence identifier while keeping the original sheet number will be established.

Multipied sheets, e.g.: **C5.1** , **C5.2** , … etc. Attachement to sheets, e.g.: **C5.a** , **C5.b** , ... etc.

1 STANDARD UNITS AND CODES

1.1 Definition of airline units of measure

Unit	
Weight:	[X] Kilogram [ ] Pound
Volume:	[ ] Cubic Metre [X] Cubic Feet

1.2 Definition of class codes

The following class naming convention are used throughout the document.

Class Code	Priority Code	Description
Y		economy

1.3 Airline defined information load codes

Airline Load Information Code	Description
N/A	

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
All	*All*	*85*	*included*	*75*	*included*

* 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
x	

Remarks:

Standard Crew numbers are: 2 Cockpit, 4 Cabin

2.2 Crew baggage weights (other than hand baggage)

Description*	Flight Deck Crew Baggage	Cabin Crew Baggage
Standard	ACTUAL	ACTUAL
Alternate	17	17

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

Remarks:

Crew baggage (other than hand baggage) weights to be added to Dry Operating Weight.

3 PASSENGER AND BAGGAGE WEIGHTS

3.1 Standard / Default Passenger / Cabin Baggage Weights

Enter standard passenger weights, followed by any variations.

	SCHEDULED		HOLIDAY CHARTER	
	STANDARD	ALTERNATE	STANDARD	ALTERNATE
ADULT MALE	88	84	83	76
ADULT FEMALE	70	84	69	76
CHILD	35	35	35	35
INFANT	0	0	0	0

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

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

Yes	No
X	

Remarks (conditions for oversize, etc):

USE SCHEDULED WEIGHTS UNLESS OTHERWISE SPECIFIED

3.2 Passenger / Hand Baggage Weights by Class

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 passenger weights. If No: Actual or standard hand baggage weight must be used.

Yes	No
X	

Remarks:

3.3 Checked baggage weight

TYPE OF FLIGHT	STANDARD for ALL FLIGHTS	ALTERNATE for ALL FLIGHTS, except HOLIDAY CHARTER	ALTERNATE for HOLIDAY CHARTER
Domestic (Note 1)	**ACTUAL**	**13**	**15**
Within European Region (Note 2)	**ACTUAL**	**13**	**15**
Intercontinental (Note 3)	**ACTUAL**	**15**	**17**
All other	**ACTUAL**	**13**	**15**

Remarks

STANDARD = ACTUAL BAGGAGE WEIGHT
(1) = Domestic flights means a flight with origin and destination within the border of one state.
(2) = Within European Region means flights, other than Domestic flights whose origin and destination are within European region (including Morocco, Tunesia, Turkey, Cyprus).
(3) = Intercontinental flights, other than flights within the European region means a flight with origin and destination in different continents (including Madeira, Canary Islands, Cabo Verde, Egypt).

3.4 Planning assumptions

Description *	Class	Average Bags/Pax	Average Bag Weight/Pax	Average Bag Volume

Remarks

N/A

4 ULDs

4.1 ULD Specifications

ULD Type	Default*	Begin Serial Number	End Serial Number	Owner Code	Tare Weight	Max Weight	Max Volume
N/A							

Remarks

AHM565 EDP SYSTEM SEMI – PERMANENT DATA	**Aircraft Information** **Units of Measurement**	**C** Sheet 1
Seat Config: Load Config:	Aircraft Type: **737-8**	**Carrier** **X3**

1 AIRCRAFT TYPE OR FLEET

Manufacturer:	BOEING	Aircraft Manufacturer
Aircraft type:	B38M	IATA or ICAO aircraft type code
Series or subtype:		Also referred to as suffix in the IATA SSIM manual
Aircraft Name:	737-8	Aircraft type as it appears on the loadsheet

1.1 Definitions of Aircraft Units of Measure

Unit	Measurement (tick one for each unit)	
Weight	[X] Kilograms	[ ] US Pounds
Length	[ ] Centimeters	[X] Inches
	[ ] Metres	[ ] Feet
Liquid Volume	[X] Litres	[ ] US Gallons
Volume	[ ] Cubic Metres	[X] Cubic Feet
Fuel Density	[X] KG / Litre	[ ] LB / Litre
	[ ] KG / US Gallon	[ ] LB / US Gallon
Moments	[X] KG Inches	[ ] LB Inches
	[ ] KG Centimeters	[ ] LB Centimeters
	[ ] KG Metres	[ ] LB Metres

Tick as appropriate

Remarks:

Completed by: Siamak Yazdan Panah	Issue No: 1.1
(Signature)	Date: 09 / 07 / 21

AHM565 EDP SYSTEM SEMI – PERMANENT DATA	Aircraft Information Loadsheet Options	C Sheet 2
Seat Config: Load Config:	Aircraft Type: **737-8** Registrations:	Carrier **X3**

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					
Dry Operating Index	DOI			X	X	
Deadload Index	DLI					
Deadload MAC	MACDLW*					
Loaded Index at zero fuel weight	LIZFW			X	X	
Loaded Index at take-off weight	LITOW			X	X	
Loaded Index at landing weight	LILAW			X	X	
MAC — at zero fuel weight	MACZFW*			X	X	
MAC — at take-off weight	MACTOW*			X	X	
MAC — at landing weight	MACLAW*			X	X	
Stabilizer trim setting at take-off	STABTO					Not required
Stabilizer trim setting at landing	STABLA					Not required

* 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		N/A
Cabin area trim	X	
Seat row trim	X	preferred method

Completed by: Siamak Yazdan Panah
(Signature)

Issue No: 1.2
Date: 11 / 10 / 21

AHM565 EDP SYSTEM SEMI – PERMANENT DATA	Aircraft Information Loadsheet Options	C Sheet 3
Seat Config: Load Config:	Aircraft Type: **737-8** Registrations:	Carrier **X3**

2.3 Supplementary Information

Item	Prelim		Final		Remarks
	EDP AHM517	ACARS AHM518	EDP AHM517	ACARS AHM518	
Ballast Fuel					
Basic Index					
Basic Weight					
Centre of Gravity Limits - LAW			X	X	
Centre of Gravity Limits - TOW			X	X	
Centre of Gravity Limits - ZFW			X	X	
Crew Code			X	X	
LDM			X	X	
Pantry Code			X	X	
Loadmessage before LMC.			X	X	
PAX seating by cabin compartment			X	X	e.g.: 0A61.0B57.0C63
PAX weight			X	X	e.g.: 83/69/35/0
Baggage weight			X	X	e.g.: ACTUAL

Completed by: Siamak Yazdan Panah
(Signature)

Issue No: 1.1
Date: 09 / 07 / 21

3 BASIC INDEX AND MAC FORMULA

3.1 Examples and definitions

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

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

W = Weight, actual.
Balance Arm = Station, horizontal distance in length units from reference datum to the location.
Reference Arm = Reference Station. 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 = Length of Mean Aerodynamic Chord
LEMAC = Horizontal distance in length units from the reference datum to location of the Leading Edge

3.2 Index formula

Reference Arm at =	**658.3**	inches from reference datum
K (constant) =	**50**	
C (constant) =	**30000**	

3.3 MAC/RC information

Length of MAC =	**155.8**	inches
LEMAC =	**627.1**	inches reference datum.

4 CENTRE OF GRAVITY CHARTS

4.1 CG — limits for loadsheet

FORWARD

applicability	Weight	Index
ZFW Limit	40000	30.58
	60762	14.32
	64818	18.56
TOW Limit	40000	30.58
	60762	14.32
	77999	32.39
	79999	34.38
	80920	35.38
	81822	36.36
	82190	45.84
LAW Limit	40000	30.58
	60762	14.32
	68174	22.08

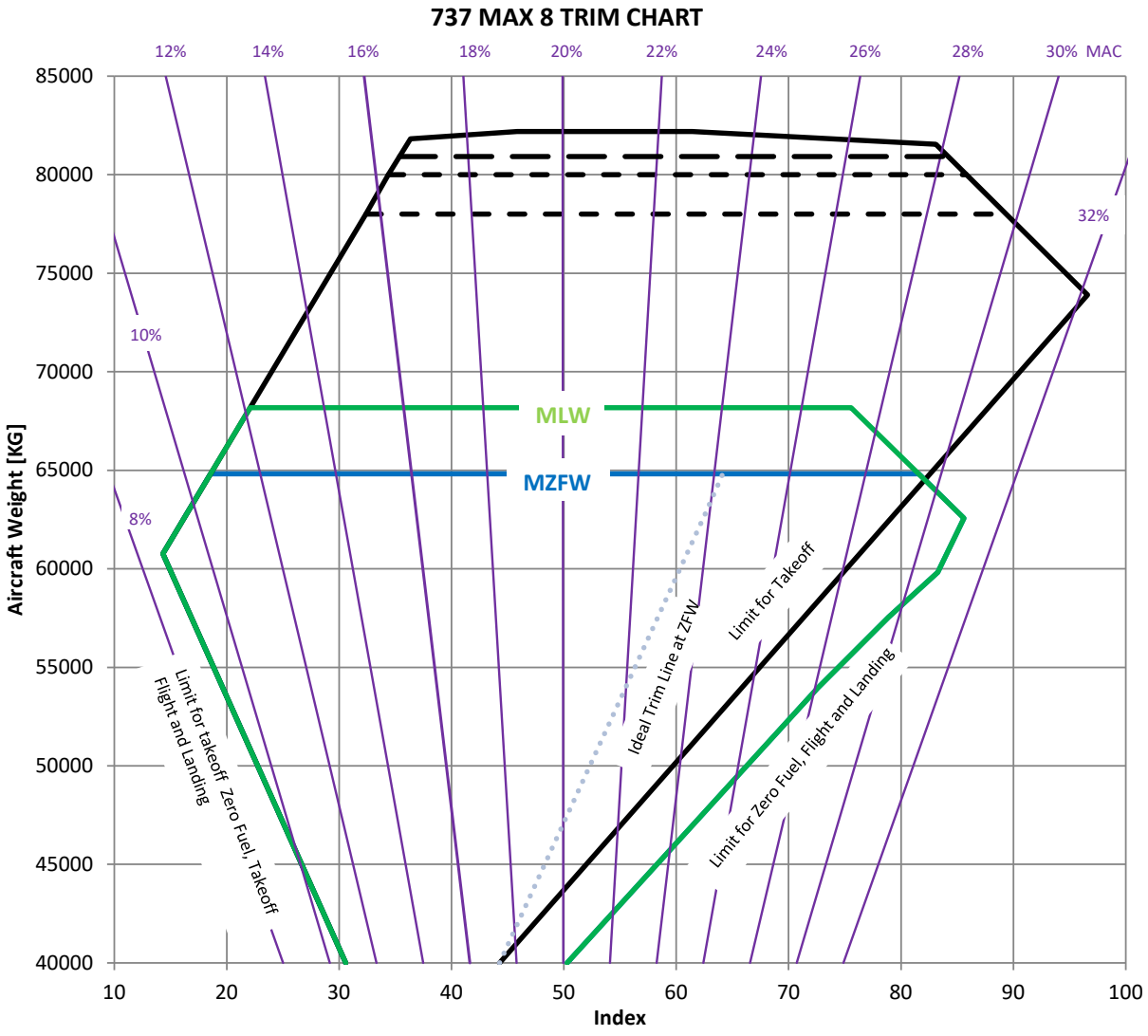
AFT

applicability	Weight	Index
ZFW Limit	40000	50.30
	53959	72.60
	57542	78.90
	59824	83.27
	62561	85.60
	64818	81.58
TOW Limit	40000	44.28
	73903	96.60
	77999	89.36
	79999	85.83
	80920	84.20
	81543	83.10
	82190	61.43
LAW Limit	40000	50.30
	53959	72.60
	57542	78.90
	59824	83.27
	62561	85.60
	68174	75.56

Remarks:

Operational envelope is curtailed for seat row trim, cabin area trim and compartment trim. Alternate MTOW 77999 kg, 79999 kg and 80920 kg are interpolated. See 737-8 trim chart on next page (Sheet C5.a). Before obtaining CG at takeoff weight, check that CG at actual ZFW is within limits.

AHM565 EDP SYSTEM SEMI – PERMANENT DATA	Aircraft Information Centre of Gravity Limits	C Sheet 5.a
Seat Config: Load Config:	Aircraft Type: 737-8 Registrations:	Carrier X3



Remarks:

Alternate MTOW values shown as dashed lines. Ideal Trim Line at ZFW shown as dotted line.

4.2 Curtailments

Manufacturers envelope is not supplied for loadsheet purposes.
Operational envelope is given above, only.

AHM565 EDP SYSTEM SEMI – PERMANENT DATA	**Aircraft Information** **Ideal Trim Line and Tipping Limits**	**C** Sheet 7
Seat Config:	Aircraft Type: **737-8**	**Carrier** **X3**
Load Config:	Registrations:	

4.3 Ideal Trim Line at ZFW

Weight	Ideal Trim Line at ZFW	
	%MAC	Index
40000	17.27	44.28
62874	23.90	62.64
64818	24.23	64.14

Remarks:

It would be appreciated to be at or aft of the Ideal Trim Line at ZFW.

4.4 Tipping Limits

Table Name: AFT Ground Stability Limit

Weight	%MAC	Index	Balance Arm
35000	34.60	76.48	681
85000	39.09	134.15	688

Remarks:

40 kts headwind and 2% ramp slope are considered in the ground stability limit table above.

4.5 Lateral Imbalance Limits

N/A

AHM565 EDP SYSTEM SEMI – PERMANENT DATA	**Aircraft Information** **Fuel**	**C** Sheet 8
Seat Config: Load Config:	Aircraft Type: **737-8** Registrations:	**Carrier** **X3**

5 FUEL

5.1 Effect of fuel

Table Name:	Standard Procedure	Tank Names:	Wing Tanks & Center Tank
Max Volume:	25815	Max Weight:	20650
Fuel Density:	**0.8**	Fuel Density Range: Min:	0.755 Max: 0.851

	Fuel Weight	Balance Arm	Index
	0	0.000	0.00000
	500	658.244	-0.00094
	1000	658.144	-0.00519
	1500	659.707	0.07036
	2000	661.281	0.19872
	2500	662.833	0.37773
	3000	664.301	0.60011
	3500	665.938	0.89115
	4000	668.234	1.32457
	4500	670.191	1.78371
	5000	674.212	2.65197
	5500	677.696	3.55592
	6000	681.758	4.69151
	6500	686.276	6.06151
	7000	691.212	7.67943
	7500	696.812	9.62812
#	7709	699.200	10.50957

Left and right wing tanks full (7709 kg)

Fuel Weight	Balance Arm	Index
8000	695.941	10.03772
8500	690.802	9.20878
9000	685.937	8.29118
9500	681.561	7.36596
10000	677.630	6.44330
10500	674.112	5.53417
11000	670.918	4.62643
11500	668.079	3.74848
12000	665.491	2.87639
12500	663.130	2.01268
13000	660.985	1.16350
13500	659.055	0.33986
14000	657.244	-0.49286
14500	655.558	-1.32507
15000	654.033	-2.13360
15500	652.570	-2.96072
16000	651.210	-3.78136
16500	649.940	-4.59821
17000	648.699	-5.44044
17500	647.558	-6.26613
18000	646.495	-7.08308
18500	645.376	-7.96984
19000	644.272	-8.88426
19500	643.164	-9.83864
20000	642.058	-10.82801
20500	640.864	-11.91494
20650	640.542	-12.22335

Remarks: Standard Taxi Fuel is 200kg.

AHM565 EDP SYSTEM SEMI – PERMANENT DATA	Configuration Information Dimensions and Limits	D Sheet 1
Seat Config: Load Config:	Aircraft Type: **737-8** Registrations:	**Carrier** **X3**

1 DIMENSIONS AND LIMITS

Deck	Maximum Weight	Volume	Lateral Arm		Balance Arm	
			From	To	FWD	AFT
Main Deck					72	1228
FWD Cargo Hold	3479	657			204	500
AFT Cargo hold	4849	858			731	1160

Remarks:

Completed by: Siamak Yazdan Panah
(Signature)

Issue No: 1.1
Date: 09 / 07 / 21

AHM565 EDP SYSTEM SEMI – PERMANENT DATA	Configuration Information Holds	D Sheet 2
Seat Config: Load Config:	Aircraft Type: **737-8** Registrations:	Carrier **X3**

2 HOLDS AND COMPARTMENTS

2.1 Bulk Holds

Deck Name: Cargo Holds

Hold	Compartment Name		Max Weight	Volume	Balance Arm			Index per wt unit
					Centroid	FWD	AFT	
FWD Cargo Hold	H	1	809	140	238.5	204	297	-0.01399
FWD Cargo Hold	H	2	2670	517	398.4	287	500	-0.00866
AFT Cargo Hold	H	3	4086	733	867.2	731	1004	0.00696
AFT Cargo Hold	H	4	763	125	1074.6	1004	1160	0.01388

2.2 ULD Holds

N/A

3 UNIT LOAD DEVICE (ULD) CONFIGURATIONS

3.1 ULD Positions

N/A

4 DOORS AND LOCKS

4.1 Doors

Door ID	Hold or Cabin Name	Balance Arm	Width	Height	L / R / C *
FWD Entry	Main	128			L
FWD Galley	Main	114			R
Overwing Exits	Main	609			L / R
AFT Entry	Main	1184			L
AFT Galley	Main	1187			R
FWD Cargo	FWD Cargo Hold	267	48	35	R
AFT Cargo	AFT Cargo Hold	1031	48	31 - 35	R

* Indicates: L = Left, R = Right or C = Center

4.2 Lock Definition

N/A

4.3 Missing restraint rules

N/A

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	

Remark: Please refer to sheet D8 and D9.

5.2 Flight Deck Locations

Location	Maximum Nbr of Seats	Lateral Arm Centroid	Balance Arm Centroid	Index per Weight Unit
Captain	1		32	-0.02088
First Officer	1		32	-0.02088
First Observer	1		67	-0.01971
Second Observer	1		60	-0.01994

5.3 Cabin Crew locations

Include cabin crew locations if particular to configuration

Location	Deck	Maximum Nbr of Seats	Lateral Arm Centroid	Balance Arm Centroid	Index per Weight Unit
FWD	Main	2		116	-0.01808
AFT	Main	4		1171	0.01709

5.4 Potable Water Locations

Specify potable water tank locations

Tank Name	Max Weight	Lateral Centroid	Balance ARM			Index per Weight Unit
			Centroid	FWD	AFT	
Potable Water Tank	226.6		1170.3			0.01707
Water Lines	9.8		682.7			0.00081

5.5 Galleys and Other Locations

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

Location		Max Weight*	Lateral Arm			Balance ARM			Index per Weight Unit
Type	Description		Centroid	From	To	Centroid	FWD	AFT	
Galley	G1	208				84			-0.01914
Galley	G2	458				151			-0.01691
Galley	G4B	960				1214			0.01852
Catering in H1	Belly Load	473				222			-0.01454
Waste Tank	60 Gallons	227				1112.2			0.01513

* Maximum Content Weight

6 SEATING

6.1 Seating Layout

For special seats the description codes listed below is used.

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
M = Wheel chair
N = No smoking
O = Over wing seat
P = Stretcher location
Q = Quiet zone
S = Smoking
T = Near toilet
U = Unaccompanied minor
V = Seat left vacant / offered last
W = No movie
X = Not available
Y = Not fitted
Z = Buffer zone

Alpha / Characters - D, R, not used

Remarks:

SCP (Special Categories of Passengers)
SCP includes persons requiring special conditions, assistance and/or devices.
SCP are e.g.: unaccompanied child, adult traveling with an infant, visually impaired passenger, passengers travelling with a recognised assistance dog in the cabin, passengers with disability of upper and/or lower limbs, stretcher occupant, deportees, prisoners in custody.
No SCPs in rows **15**ABCDEF, **16**ABCDEF

CRD (Child Restraint Device)
Infants must be secured by a CRD. A CRD is a company provided supplementary loop belt or a car seat supplied by the passenger, placed on seat and secured by seat belt.
For car seats, a window seat is the preferred location.
The person responsible for the infant/child on the car seat must occupy an adjacent seat in the same row.
No CRDs in rows **14**ABCDEF, **15**ABCDEF, **16**ABCDEF, **17**ABCDEF

AHM565 EDP SYSTEM SEMI – PERMANENT DATA	Configuration Information Seating Layout	D Sheet 8
Seat Config: **189Y** Load Config:	Aircraft Type: **737-8** Registrations:	Carrier **X3**

6.2 Seat Plan

Layout / Facilities and balance information

Section	Row	Seat Identifier								Max seats	Balance Arm	Index per weight unit
		A	B	C	D	E	F					
0A	1	L	L	L	Y	Y	Y			**3**	185.95	-0.01575
	2				L	L	L			6	207.95	-0.01501
	3	HM			L	L	L			6	238.95	-0.01398
	4	HM			L	L	L			6	270.45	-0.01293
	5	HM			L	L	L			6	300.95	-0.01191
	6	HM			L	L	L			6	331.45	-0.01090
	7	HM								6	360.95	-0.00991
	8	HM								6	389.95	-0.00895
	9									6	418.95	-0.00798
	10									6	447.95	-0.00701
	11	V								6	476.95	-0.00605
0B	12	V					V			6	505.95	-0.00508
	13									6	534.95	-0.00411
	14	V	V	V	V	V	V			6	563.95	-0.00315
	15	E	E	E	E	E	E			6	601.95	-0.00188
	16	E	E	E	E	E	E			6	639.95	-0.00061
	17	L	L	L	L	L	L			6	671.95	0.00046
	18	L	L	L	L	L	L			6	703.95	0.00152
	19	L	L	L	L	L	L			6	735.95	0.00259
	20	L	L	L	L	L	L			6	767.95	0.00366
	21	L	L	L	L	L	L			6	799.95	0.00472
0C	22									6	828.95	0.00569
	23									6	857.95	0.00666
	24									6	886.95	0.00762
	25									6	915.95	0.00859
	26									6	944.95	0.00956
	27									6	973.95	0.01052
	28									6	1002.95	0.01149
	29									6	1031.95	0.01246
	30									6	1060.95	0.01342
	31									6	1089.95	0.01439
	32	VU	VU	VU	VU	VU	VU			6	1118.95	0.01536

Seat Config: **189Y**	Aircraft Type: **737-8**	**Carrier**
Load Config:	Registrations:	**X3**

6.3 Saleable Configurations

Sheet D9 will be repeated for each saleable configuration, if applicable.

Saleable Configuration: **189Y**

6.3.1 Cabin Area Information

Cabin Section	Number of Seats per Cabin Section and Class (classes specified below)						Total Per Cabin	Balance Arm			Index per Weight Unit
	1	2	3	4	5			Centroid	FWD	AFT	
0A	**63**						**63**	336.90			-0.01071
0B	**60**						**60**	652.65			-0.00019
0C	**66**						**66**	973.95			0.01052

Subtotal	**189**						
Total	**189**						

Class 1: Y (economy)

6.3.2 N/A

6.3.3 Class Information

Class code	First Row	Last Row	Number of Seats
Y	1	32	189

7 STRUCTURAL LIMITATIONS

7.1 Running (Linear Load Limits)

Deck / Hold Name (or ALL)	Balance ARM		Limit Weight per Distance
	From	To	
FWD Cargo Hold (H1a)	204	240	13.1 KG/IN
FWD Cargo Hold (H1b)	240	297	5.8 KG/IN
FWD Cargo Hold (H2)	297	500	13.1 KG/IN
AFT Cargo Hold (H3)	731	1004	14.9 KG/IN
AFT Cargo Hold (H4a)	1004	1061	6.3 KG/IN
AFT Cargo Hold (H4b)	1061	1160	4.0 KG/IN

7.2 Cumulative Load Limits

N/A

7.3 Combined Load Limits

N/A

7.4 Floor Loading Limits

Deck / Hold Name (or ALL)	Balance ARM		Limit Weight per Area
	From	To	
ALL Cargo Holds	204	1160	68 KG/SQ FT

7.5 Asymmetrical Load Limits

N/A

AHM565 EDP SYSTEM SEMI – PERMANENT DATA	**Dry Operating Weight Build-Up**	**E** Sheet 1
Seat Config: Load Config:	Aircraft Type: **737-8** Registrations:	**Carrier** **X3**

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	☒	including hand baggage
Cabin Crew	☒	including hand baggage
Flight Deck Crew Baggage	☒	17kg each
Cabin Crew Baggage	☒	17kg each
Pantry	☒	
Containers		
Pallets		
Potable Water	☒	

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

Remarks:

DOW/DOI are published in **DOW/DOI** sheets.

Completed by: Siamak Yazdan Panah

(Signature)

Issue No: 1.1

Date: 09 / 07 / 21

2.2 Crew Codes

Crew codes and their weight and balance effects are published in **DOW/DOI** sheets.

Crew Code	Flight Deck Locations*		Cabin Crew Locations*	
	Location	Total	Location	Total
2/4	1 CP, 1 FO	2	2 FWD, 2 AFT	4
2/5	1 CP, 1 FO	2	2 FWD, 3 AFT	5
3/4	1 CP, 1 FO, 1 OBS	3	2 FWD, 2 AFT	4
3/5	1 CP, 1 FO, 1 OBS	3	2 FWD, 3 AFT	5

2.3 Pantry Codes

Pantry codes and their weight and balance effects are published in **DOW/DOI** sheets.

Remarks

2.4 Potable Water Codes

Potable Water Code	Tank Name	Weight	Balance Arm	Remarks
60 Gallons	Full tank and lines	236.4	1150	included in DOW/DOI
50 Gallons	50 GAL and lines	198.7	1146.2	
40 Gallons	40 GAL and lines	160.9	1140.5	
30 Gallons	30 GAL and lines	123.2	1131.3	

2.5 Standard Service Weight Adjustment Codes

Service weights are published in **DOW/DOI** sheets.

2.6 Weight Configuration Codes

Weight configuration codes are published in **DOW/DOI** sheets.

2.7 Aircraft Registration Weights

2.7.1 Fleet Weights

Individual aircraft weights are used.

2.7.2 Individual Aircraft Weights

OEW/OEI are published in **DOW/DOI** sheets.

Remarks

AHM565 EDP SYSTEM SEMI – PERMANENT DATA	Limiting Weights	F Sheet 1
Seat Config: Load Config:	Aircraft Type: **737-8** Registrations:	**Carrier** **X3**

1 AIRCRAFT LIMITING WEIGHTS

1.1 Maximum Weights Tables and Aircraft Identification

MSN	Registration	Zero Fuel Weight	Landing Weight	Take Off Weight	Ramp/Taxi Weight	Remarks
44612	D-AMAA	64818	68174	82190	82417	189Y
44603	D-AMAB	64818	68174	82190	82417	189Y
44658	D-AMAD	64818	68174	82190	82417	189Y
44629	D-AMAH	64818	68174	82190	82417	189Y
44601	D-AMAX	64818	68174	82190	82417	189Y
44592	D-AMAY	64818	68174	82190	82417	189Y
44604	D-AMAZ	64818	68174	82190	82417	189Y

Remarks

Minimum flight weight for all registrations: 42638 KG

Completed by: Siamak Yazdan Panah
(Signature)

Issue No: 1.9
Date: 02 / 02 / 24