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1. DISCLAIMER

2. INTRODUCTION

The Recommended Spare Parts List (RSPL) contains the spares recommendations for Line Replaceable Units (LRUs). The recommendation is calculated by using the Airbus Mathematical Model, which is explained in the initial provisioning training manual titled 'The Mathematical Model'.

The terms and abbreviations used in this RSPL are explained on the following pages. The reader is strongly urged to be familiar with the content of this introduction when referring to the PNR list.

The shown recommendation covers one main base only and is focusing on being prepared for unscheduled removals for the first year of operation only

The listing configuration may come from different effectivity sources. ESY is the AIRBUS Effectivity System for production effectivity. IPC stands for Illustrated Parts Catalogue which means that the same data source like for the IPC is used as effectivity source. In general engine parts are not included, if a part may also appear in the engine manufacturer listing it will be flagged accordingly.

THE PRICES CONTAINED IN THIS RECOMMENDATION ARE BASED ON SUPPLIER PRICELISTS. THE PRICES ARE FOR BUDGETARY PURPOSES ONLY AND DO NOT REPRESENT OR IMPLY A FIRM QUOTE FROM AIRBUS OR THE SUPPLIER.

3. DOCUMENT OVERVIEW

This document contains several sheets. Due to customer selection, certain sheets might not appear in this document. To modify the configuration of the document please consult your contact person in the Integrated Provisioning Services department.
The available sheets in this RSPL are underlined in the list below:

Cover	Includes all relevant information to indicate the concerned airline, aircraft type, material category and the date of document production.
Introduction	Provides a complete overview of the content of the document.
Parameter	The customised parameter information is listed in the Parameter sheet.
Fleet	Lists the applicable aircraft information and the selected source for the aircraft configuration.
PNR Sort 1 of 0	Lists the valid part numbers for the selected aircrafts in a fixed layout, sorted by part number (PNR).
ATA Sort 1 of 0	Lists the valid part numbers for the selected aircrafts in a fixed layout, sorted by ATA (Air Transport Association) chapters.
MFR Sort 1 of 0	Lists the valid part numbers for the selected aircrafts in a fixed layout, sorted by manufacturer code (MFR).
PNR Rev. Highlights	Lists delta part numbers for the selected aircrafts in a fixed layout, sorted by part numbers. It is only applicable for revisions. Only parts that meet one of the following conditions will be listed: new or deleted from previous issue or the recommended quantity has changed from the previous issue or the aircraft quantity has changed from the previous issue.
ATA Rev. Highlights	Lists the delta part numbers for the selected aircrafts in a fixed layout, sorted by ATA. It is only applicable for revisions. Only parts that meet one of the following conditions will be listed: new or deleted from previous issue or the recommended quantity has changed from the previous issue or the aircraft quantity has changed from the previous issue.
MFR Rev. Highlights	Lists the delta part numbers for the selected aircrafts in a fixed layout, sorted by manufacturer code. It is only applicable for revisions. Only parts that meet one of the following conditions will be listed: new or deleted from previous issue or the recommended quantity has changed from the previous issue or the aircraft quantity has changed from the previous issue.
PNR List	The PNR Listing is a plain excel sheet part number listing, also known as Flat File.
RFC	The associated Requests for Change (RFC) are listed in this sheet.
MSCN	The associated Specification Change Notices (SCN) are listed in this sheet.
ICD	The Interchangeability Condition Document (ICD) provides detailed information of the conditional interchangeability INC 4 and INC 5 between part numbers.
MFR Address	Provides further information about the manufacturer codes (MFR) and their addresses. It is sorted first numerically, then alphabetically according with MFR codes.
SPL Investment	Provides a brief overview of the spares investment breakdown to groups of manufacturer codes in percentage

4. DETAILS AND EXPLANATION OF CONTENT

PNR List

In the following, the content of the 'PNR List' will be explained in depth. The explanation are corresponding to the sequence of the column within the PNR list.

Column A CHG	**Revision Indicator**
	If an RSPL is a revision of a previous issue, then changes in the new RSPL are highlighted and flagged with the following letters:
A	for **new** part number added; PNR is new in this version compared to last version
N	for **new** part number added; PNR version is new in this version and it is inter-changeable with an given INC to another PNR shown

X	for **deleted** part number; PNR is deleted in this version compared to last version without a replacing PNR
D	for **deleted p**art number; PNR is deleted in this version compared to last version with a replacing part number
R	for **revised** part number regarding to recommended quantity or quantity per aircraft
C	for **revised** part number regarding PNR attributes without a change of recommended quantity or quantity per aircraft
J	for **joined** part number; PNR moved from another category of material
M	for **moved** part number; PNR moved to another category of material
blank	no change

Column B **PNR**	**Part Number**
Column C **ATA**	**Air Transport Association** Air Transport Association (ATA) chapter classification of the item.
Column D **MFR**	**Manufacturer Code** This manufacturer code identifies the manufacturer/supplier, government agency or other organisation controlling the design and part number assignment of the subject part.
Column F **ADT**	**Additional Descriptive Text**
Column G **TPC**	**Technical Publication Code**

TPC references are as follows:

ACMM	Abbreviated Component Maintenance Manual
CMM	Component Maintenance Manual
CMS	Component Maintenance Sheet
IM	Installation Manual
IPC	Illustrated Parts Catalogue
MM	Maintenance Manual
OM	Overhaul Manual
TDS	Technical Data Sheet
NONE	No Technical Publication Code

Column I **SPC**	**Spare Class Code**

Indicates the classification of the spare part as follows:

0	Reference item
1	Expendable
2	Repairable with dedicated CMM
6	Repairable without dedicated CMM

Column J **ESS**	**Essentiality Code**

Indicates a part's essentiality for technical aircraft dispatch:

1	NO GO item
2	GO IF item
3	GO item

Column K **ATE**	**Automatic Test Equipment**
Column L **TCC**	**Time Cycle Code**

Indicates that the MTBUR is shown in:

H	Hours
C	Cycles
L	Landings

Column M **MTBUR**	**Mean Time Between Unscheduled Removals** The value of an MTBUR defines the period after that an unscheduled removal of a part from an aircraft is expected. The MTBUR is a 6 digit figure in conjunction with two further data elements, the Time Cycle Code (TCC) and the Removal Rate Indicator (RRI).
Column N **RRI**	**Removal Rate Indicator** Indicates the exponential factor to the power of ten applied to the Mean Time/Cycles, Time/Hours or Time/Landings Between Unscheduled Removals (i.e., MTBUR x 10^RRI).
Column O **SCR**	**Scrap Rate** Identifies the percentage (to one decimal place) of the units removed from service which are expected to be scrapped. For example, '999' in the RSPL corresponds to 99.9%.
Column P **MST**	**Mean Shop Processing Time** It indicates the total number of calendar days from receipt of the part at the repair base until dispatch. This includes administration, handling, repair, test and other functions at the repair shop.
Column Q **QPA**	**Quantity per Aircraft** The average quantity per aircraft of the units installed across the fleet.

Column R **RFS**	**Reason for Selection**
0	Not a potential spare
1	Wear
2	Maintenance Damage
3	Loss
4	Vibration
5	Corrosion
6	Deterioration
7	Extreme Temperature
8	Other
9	Not an initial provisioning part

Column S **BFE**	**Buyer Furnished Equipment**
1	Customer Originated Change (COC)
2	Buyer Furnished Equipment (BFE)
3	BFE & COC
4	Airbus Contracted Supplier part (ACS)
5	COC & ACS
6	BFE & ACS
7	COC & BFE & ACS
blank	Seller Furnished Equipment

Column T **PPI**	**Power Plant Indicator**
P	It indicates if the subject part number is part of the Power Plant.

Column U **UNT**	**Unit of Measure**
2	This code specifies the type of count, measurement, container or form of the subject part and correlates to the unit price.

Column V **LTM**	**Supplier Lead Time** The maximum number of calendar days required by the supplier after receipt of a purchase order to make shipment of the quantity ordered.

Column W **EXP**	**Expendable Parts Indicator**
X	Identification of parts that will be shown in the Expendable Package List

Column X **RIP**	**RIPL Indicator**
X	Identification of Removal and Installation part (for A380 only).

Column Y **PTC**	**Price Type**
0	No Price information
2	Budgetary Price
blank	BFE flags

Column Z **UNP**	**Unit Price (in USD)**

Column AA **MSQ**	**Minimum Sales Quantity**

Column AB **RPN**	**Replacing Part Number** Subject part number (Column B) is replaced by this part number

Column AC **INC**	**Interchangeability Code**
1 One-way-interchangeability	The old part number may be used as a replacement only where the old part number was installed. The new part number is an acceptable replacement for either the old or new part number.
2 Two-way-interchangeability	The old and new part numbers are both acceptable replacements for either the old or new part number.

3 Non Interchangeable	
4 Interchangeable as a set	The part may be one-way or two-way interchangeable as a set. Refer to the Interchangeability Condition Document (ICD).
5 Qualified Interchangeability	One-way interchangeable parts may be conditionally two-way interchangeable. Non-interchangeable parts may be conditionally one-way or two-way interchangeable. Please refer to the ICD.
6 Part reidentification	A new part number has been given to a part that is in no other way different from the original one. The parts are fully interchangeable.

Note 1: The Illustrated Parts Catalogue (IPC) uses the terms 'I/W' (interchangeable with) for INC 2 parts, and 'RPLD BY' (replaced by) and 'RPLS' (replaces) for INC 1 parts. Please refer to the IPC introduction for more information.

Note 2: If the two parts are INC 1, 2 or 6, then the recommended quantity is only calculated for the new part number. If the two parts are INC 3 or 4, then the recommended quantity is calculated for each part number.

Note 3: If the INC is 5 and the two parts are not interchangeable unless the condition is applied, then the recommendation is calculated for each part number. If the two parts are one-way interchangeable according the ICD, then the recommendation is only calculated for the newer part.

Note 4: If two parts are linked by a chain of interchangeable parts, and one or more of the links are conditionally interchangeable (INC 4 or 5), then the entire chain of interchangeable parts will be listed with the term RPN (Replacement Part Number). The most stringent INC code in this chain will be used for the two parts.

Note 5: If the interchangeability is not the same for two parts on the selected aircraft within the fleet, INC 5 will be stated.

Column AD REC	**Recommended Quantity** Indicates the recommended quantity to meet the demands for the number of customer's aircraft to which the part applies through application of the AIRBUS mathematical model and use of the customer's provisioning parameters. Considering the defined parameters, up to three different recommendations are calculated independently.
Column AE MMI	**Math Model Indicator**
blank	no calculation
0	calculation without MAD, CFR or PLT parameter or no influence of these parameters
M	indicates that the value of REC QTY was impacted by the MAD parameter
C	indicates that the value of REC QTY was impacted by the CRF parameter
P	indicates that the value of REC QTY was impacted by the PLT parameter
MC	indicates that the value of REC QTY was impacted by the MAD & CRF parameter
CP	indicates that the value of REC QTY was impacted by the CRF & PLT parameter
Column AF Total	**The unit price multiplied by the REC QTY**
Column AG APTL	**Achieved Protection Level** The column provides the Protection Level achieved with the recommended quantity shown under REC 1.
Column AN CSN	**Catalogue Sequence Number** Code identifier giving the position of a system/item having a determined function within Technical Data in which specific information is located. The first 6 digits of a CSN are defined within the Airbus ATA 100 Breakdown.
Column AO, AR, AU INC	**Interchangeable Part Number** Shows the interchangeable part number. Three different PNRs can be given.
Column AX, AZ, BB OPL	**Optional Part Number** This is a fully interchangeable part in form, fit and function with the subject part number. Three different PNRs can be given
Column BJ, BL ALT	**Alternative Part Number** This identifies a part that fully meets required functional and structural specifications, but differs either in overall dimensions, connections or mounting provisions and requires additional parts, rework or modification to install in a specific location. Two different PNRs can be given.
Column BN PPR	**Preferred Part Number** This specifies the preferred spare whether or not installed on the purchased equipment.
Column BP, BQ, BR OSC	**Optional Supplier Code** Indicates the CAGE code(s) of optional supply sources.
Column BS, BU NHA	**Next Higher Assembly** The next higher assembly for a subcomponent and ATA chapter are shown. Two different Part numbers can be shown.
Column BW MG	**Material Category**
10	Airbus Proprietary Part (AIB)
13	Equipment - Line Replaceable Unit (former Airbus Proprietary Part)

20	Equipment - Line Replaceable Unit (LRU)
21	Fiel Loadable Software (FLS)
30	Standard Part (STD)
31	Standard Part - Cockpit Push Button (CPD)
32, 33	Standard Part (STD)
34	Standard Part (STD) - Airbus Company Standard
70	Equipment - Line Maintenance Breakdown Part (LMP)

Beamer File

Next to the 'PNR List' the spare parts information are sorted within the so called Beamer files:
PNR Sort, ATA Sort, MFR Sort, PNR Rev. Highlights, ATA Rev. Highlights, MFR Rev. Highlights

The beamer files mainly covers the same information as the part number list using another structure and layout. Additionally changes are underlined in the major data columns, namely SPC, PRICE, MST, ESS, MTBUR, LTM, CUR, PRICE and REC QTY.

Following information to be considered for the beamer files only.

Optional Supplier Code (OSC)	Indicates the CAGE code(s) of optional supply sources.
Overlength Part Number (OVLPNR)	This is the full part number, if more than 15 characters in length.
Summary Investment Figures	Those investment figures are presented at the end of the Beamer Files Grand Total Number of PNR Number of PNR without price Number of PNR with recommendation greater than 0 Number of PNR with recommendation greater than 0 and no price
CONTAINS LMP	Contains Line Maintenance Breakdown Parts. Detailed information is provided in the LMP RSPL.
CONTAINS LRU	Contains sub components that are LRUs.

5. ABBREVIATION

ACMM	Abbreviated Component Maintenance Manual
ADT	Additional Descriptive Text
ALTPNR	Alternate Part Number
APTL	Achieved Protection Level
ATA	ATA Chapter
ATE	Automatic Test Equipment
BFE	Buyer Furnished Equipment
CMM	Component Maintenance Manual
CMS	Component Maintenance Sheet
CUR	Currency Code
CRF	Customer Redundancy Factor
ESS	Essentiality Code
ESY	AIRBUS Effectivity System for production effectivity
ICD	Interchangeability Conditions Document
INC	Interchangeability
INCPNR	Interchangeable Part Number
IM	Installation Manual
IPC	Illustrated Parts Catalogue for AIRBUS IPC effectivity
LMP	Line Maintenance Breakdown Part
LRI	Line Replaceable Item
LRU	Line Replaceable Unit
LTM	Lead Time
MAD	Minimum Annual Demand
MFR	Manufacturer Code
MM	Maintenance Manual
MMI	Math Model Indicator
MST	Mean Shop Processing Time
MTBUR	Mean Time Between Unscheduled Removal
NHAPNR	Next Higher Assembly Part Number
OM	Overhaul Manual
OPLPNR	Optional Part Number
OSC	Optional Supply Code
OVLPNR	Overlength Part Number
PLT	Protection Level Tolerance
PNR	Part Number
PPRPNR	Preferred Part Number
PPI	Power Plant Indicator
PTL	Protection Level
QPA	Quantity Per Aircraft
QTY	Quantity
REC	Recommended
REPBY	Replaced by Part Number
REPLS	Replaces Part Number
RESTR	Restricted Usage
RFS	Reason For Selection
RIP	Removal and Installation Parts List Indicator
RPN	Replacement Part Number
RRI	Removal Rate Indicator
RSPL	Recommended Spare Parts List
S/CSN	S-File Catalogue Sequence Number
SPC	Spare Part Classification
SCR	Scrap Rate
TAT	Turn Around Time
TCC	Time Cycle Code
TDS	Technical Data Sheet
TPC	Technical Publication Code
TT	Transit Time
UNP	Unit Price