

	DIRECCION GENERAL DE AVIACION CIVIL ACEPTACION O APROBACION DE DOCUMENTOS Y/O MANUALES
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Quito, 07 de noviembre del 2017

DGAC-OC-2017-130

Comandante
Pablo Hidalgo
Gerente de Operaciones Compañía AeroGal S.A.

De mi consideración

Una vez analizado el ***NON ESSENTIAL EQUIPMENT NEF Revisión 5***, remitido por su representada, se ha verificado que las políticas establecidas cumplen con las RDAC y con las Guías Aplicables, por lo cual la Dirección de Inspección y Certificación Aeronáutica comunica a usted, que dicho documento ha sido ***APROBADO***.

Cabe indicar que el documento descrito, pese a su Aprobación se mantiene en permanente evaluación, y en caso de encontrarse discrepancias con la Legislación Aeronáutica vigente, se notificará oportunamente, a fin de que se proceda con las enmiendas respectivas.

Atentamente

Mgs. Silvia Victoria Vallejos Espinosa
Director de Inspección y Certificación Aeronáutica



A319/A320 NEF PROGRAM

NEF Revision 5
Dated September 20, 2017

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DGAC ECUADOR APPROVED

DATE: 07 NOV. 2017

APPROVED BY: 
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SIGNATURE: 

This NEF is effective for the following aircraft:
HC-CKN / HC-CLF / HC-CJM / HC-CJV / HC-CJW / HC-CRU /
HC-CSB / HC-CSA / HC-CSF

MAINTENANCE MANAGEMENT
ENGINEERING
MARISCAL SUCRE INTERNATIONAL AIRPORT
QUITO – ECUADOR



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AIRBUS A319/A320
NEF – NON-ESSENTIAL EQUIPMENT AND FURNISHINGS
RECORD OF REVISIONS

Upon receipt of revisions, insert revised pages in the manual and enter the revision number, date, and abbreviated name of the individual in charge of insertion.

Revision Number	Revision Date	Insertion Date	Insertion By
0	October 22, 2015	Previously	
01	May 06, 2016	Previously	
02	August 02, 2016	Previously	
03	October 31, 2016	Previously	
04	May 05, 2017	Previously	
05	September 20, 2017	November 15, 2017	Patricia Medina

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RECORD OF REVISIONS

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---	Control Pages	CP-1	Thru	CP-2
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---	Definitions and How to Use this Manual	1	Thru	2
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X	Landing Gear	NEF-29	Thru	NEF-30
XI	Oxygen	NEF-31	Thru	NEF-32
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Revision No	Revision Date	Page Numbers	Initials
0	October 22, 2015	All pages	J.C.C.B
01	May 06, 2016	RR-1, LR-1, CP-1 / CP-2, HL-1, Page 2, NEF-6, NEF-7 AND NEF-8	J.C.C.B
02	August 05, 2016	RR-1, LR-1, CP-1, CP-2, HL-1 and Page NEF-9	J.C.C.B
03	October 31, 2016	RR-1, LR-1, CP-1, CP-2 and HL-1	J.C.C.B
04	May 05, 2017	RR-1, LR-1, CP-1, CP-2 and HL-1	J.C.C.B
05	September 20, 2017	RR-1, LR-1, CP-1, CP-2, HL-1, 1, 2, 3, 4, 5, NEF-9, NEF-37, NEF-38 and NEF-41	J.C.C.B

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CONTROL PAGE

Subject	Page	Rev. No	Revision Date (DD-MM-YYYY)
Cover Page		05	20-09-2017
Record of Revision	RR-1	05	20-09-2017
	RR-2	0	22-10-2015
Table of Contents	TC-1	0	22-10-2015
	TC-2	0	22-10-2015
Log of Revision	LR-1	05	20-09-2017
	LR-2	0	22-10-2015
Control Page	CP-1	05	20-09-2017
	CP-2	05	20-09-2017
Highlights Of Change	HL-1	05	20-09-2017
	HL-2	0	22-10-2015
Definitions and How to use this Manual	1	05	20-09-2017
	2	05	20-09-2017
Preamble	3	05	20-09-2017
	4	05	20-09-2017
Manual Control	5	05	20-09-2017
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	7	0	22-10-2015
	8	0	22-10-2015
I Cabin General	NEF-1	0	22-10-2015
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	NEF-3	0	22-10-2015
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	NEF-8	01	06-05-2016
	NEF-9	05	20-09-2017
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II Galley	NEF-11	0	22-10-2015
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III Flight Deck	NEF-13	0	22-10-2015
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V Air Conditioning	NEF-19	0	22-10-2015
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VI Fire Protection	NEF-21	0	22-10-2015
	NEF-22	0	22-10-2015
VII Flight Controls	NEF-23	0	22-10-2015
	NEF-24	0	22-10-2015
VIII Fuel	NEF-25	0	22-10-2015
	NEF-26	0	22-10-2015
IX Hydraulic Power	NEF-27	0	22-10-2015

DGAC ECUADOR APPROVED	
NAME	Byron Ruiz Y.
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CONTROL PAGE

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	NEF-28	0	22-10-2015
X Landing Gear	NEF-29	0	22-10-2015
	NEF-30	0	22-10-2015
XI Oxygen	NEF-31	0	22-10-2015
	NEF-32	0	22-10-2015
XII Water and Waste	NEF-33	0	22-10-2015
	NEF-34	0	22-10-2015
XIII Electric/ lights / Avionics	NEF-35	0	22-10-2015
	NEF-36	0	22-10-2015
XIV Structures	NEF-37	05	20-09-2017
	NEF-38	05	20-09-2017
XV Engines	NEF-39	0	22-10-2015
	NEF-40	0	22-10-2015
XVI NEF Convenience	NEF-41	05	20-09-2017
	NEF-42	0	22-10-2015

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HIGHLIGHTS OF CHANGES

AeroGal Airbus A319/A320 NEF Rev 05 was made to include the following change:

ITEM	REMARKS MEL
Cover Page	Changed the effectivity manual.
Record of Revision	The Revision change to revision 05.
Log of Revision	Update to revision 05.
Control Page	Update to revision 05 in accordance with Highlights of Change.
Highlights of Change	States the changes that includes the revision 05.
Definitions and How to use this Manual	Updated Definitions and How to use this Manual.
Preamble	Updated Preamble.
Manual Control	Updated Manual Control.
I Cabin General	
I-29	Deleted the Item NEF I-29 Manual Release tool.
XIV Structures	
All Items	Deleted the all structural items.
XVI NEF Convenience	
XVI-1	Updated the item XVI-1.

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HIGHLIGHTS OF CHANGES

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DEFINITIONS AND HOW TO USE THIS MANUAL

1. System Definitions.

System numbers are based on the Air Transport Association (ATA) Specification Number 100 and items are numbered sequentially.

- a. ITEM – SUBJECT (Column 1) means the equipment, system, component, or function listed in the "Item" column.
- b. "Number Required for Dispatch (MIN REQ)" (Column 3) is the minimum number (quantity) of items required for operation provided the conditions specified in Column 4 are met.

NOTE: Where the NEF shows a variable number required for dispatch, the NEF must reflect the actual number required for dispatch or an alternate means of configuration control approved by the Administrator.

- c. "Remarks or Exceptions" (Column 4) in this column includes a statement either prohibiting or permitting operation with a specific number of items inoperative, provisos (conditions and limitations) for such operation, and appropriate notes.
- d. A vertical bar (change bar) in the margin indicates a change, addition or deletion in the adjacent text for the current revision of that page only. The change bar is dropped at the next revision of that page. [This bar will not appear in the following revision at the same location as the bar only denotes changes done in the current revision of the manual not the previous ones. In addition, for the digital version of the manual these changes are also visualized in dark blue letter case for easy identification of the modified text](#)

2. Each inoperative item must be placarded to inform and remind the crewmembers and maintenance personnel of the equipment condition; if it is necessary pull and collar circuit breakers affected.

NOTE: To the extent practical, placards should be located adjacent to the control or indicator for the item affected; however, unless otherwise specified, placard wording and location will be determined by the operator.

3. "-" symbol in Column 3 indicates a variable number (quantity) of the item installed.
4. "Inoperative" means a system and/or component malfunction to the extent that it does not accomplish its intended purpose and/or is not consistently functioning normally within its approved operating limit(s) or tolerance(s).
5. "Notes:" in Column 4 provides additional information for crewmember or maintenance consideration. Notes are used to identify applicable material which is intended to assist with compliance, but do not relieve the operator of the responsibility for compliance with all applicable requirements. Notes are not a part of the provisos.
6. Inoperative components of an inoperative system: Inoperative items which are components of a system which is inoperative are usually considered components directly associated with and having no other function than to support that system.

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DEFINITIONS AND HOW TO USE THIS MANUAL

7. Repair Intervals: All users of an NEF under RDAC must effect repairs of inoperative systems or components, deferred in accordance with the NEF, at or prior to the repair times established by the following letter designators:

Category A. Items in this category shall be repaired within the time interval specified in the remarks column of the operator's approved NEF.

Category B. Items in this category shall be repaired within three (3) consecutive calendar days (72 hours), excluding the day the malfunction was recorded in the aircraft maintenance record/logbook [or cabin logbook](#). For example, if it were recorded at 10 a.m. on January 26th, the three day interval would begin at midnight the 26th and end at midnight the 29th.

Category C. Items in this category shall be repaired within ten (10) consecutive calendar days (240 hours), excluding the day the malfunction was recorded in the aircraft maintenance record/logbook [or cabin logbook](#). For example, if it were recorded at 10 a.m. on January 26th, the 10-day interval would begin at midnight the 26th and end at midnight February 5th.

Category D. Items in this category shall be repaired within one hundred and twenty (120) consecutive calendar days (2880 hours), excluding the day the malfunction was recorded in the aircraft maintenance record/logbook [or cabin logbook](#).

The letter designators are inserted on Column 2 "(CAT)"

8. "Day of Discovery" is the calendar day an equipment/instrument malfunction was recorded in the aircraft cabin maintenance log book and or record. This day is excluded from the calendar days or flight days specified in the NEF for the repair of an inoperative item of equipment. This provision is applicable to all NEF items."
9. Abbreviations
- CMLB: Cabin Maintenance Logbook
 - INOP: Inoperative
 - PSU: Passenger Service Unit
 - PCU: Passenger Control Unit
 - MEL: Minimum Equipment List
 - NEF: NON-ESSENTIAL EQUIPMENT AND FURNISHINGS
 - MCC: Maintenance Control Center
 - BC: Business class
 - TC: Tourist Class

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PREAMBLE

AeroGal has developed a Nonessential Equipment and Furnishings policy and procedures program based in part through the use of the following documentation:

- NEF Universal List
- [FAA order 8900.1 Vol 4 Chapter 4](#)

NONESSENTIAL EQUIPMENT AND FURNISHINGS (NEF)

NEF are those items installed on the aircraft as part of the original type certification, supplemental type certificate, or other form of alteration that have no effect on the safe operation of flight and would not be required by the applicable certification rules or operational rules. The items included in this manual could be damaged, inoperative, missing etc, these items does not have effect on airworthiness and safety operation conditions.

Equipment not required by the operation being conducted and equipment in excess of RDAC requirements are included in the NEF with appropriate conditions and limitations. The NEF must not deviate from the Aircraft Flight Manual Limitations, Emergency Procedures or with Airworthiness Directives and MEL.

The NEF is intended to permit operation with inoperative items of equipment for a period of time until repairs can be accomplished. It is important that repairs be accomplished at the earliest opportunity. In order to maintain an acceptable level of safety and reliability the NEF establishes limitations on the duration of and conditions for operation with inoperative equipment. The NEF provides for release of the aircraft for flight with inoperative equipment. When an item of equipment is discovered to be inoperative, it is reported by making an entry in the Cabin Maintenance Logbook (CMLB) as prescribed. NEF conditions and limitations do not relieve the operator from determining that the aircraft is in condition for safe operation with items of equipment inoperative.

AeroGal are to establish a controlled and sound repair program including the parts, personnel, facilities, procedures, and schedules to ensure timely repair.

If more items are identified through implementations of NEF process, these items should be added to the manual, making the corresponding revision and present it to the authority.

The figure below “Flow chart” of NEF process represents the steps considered when AeroGal was developing the NEF Manual.

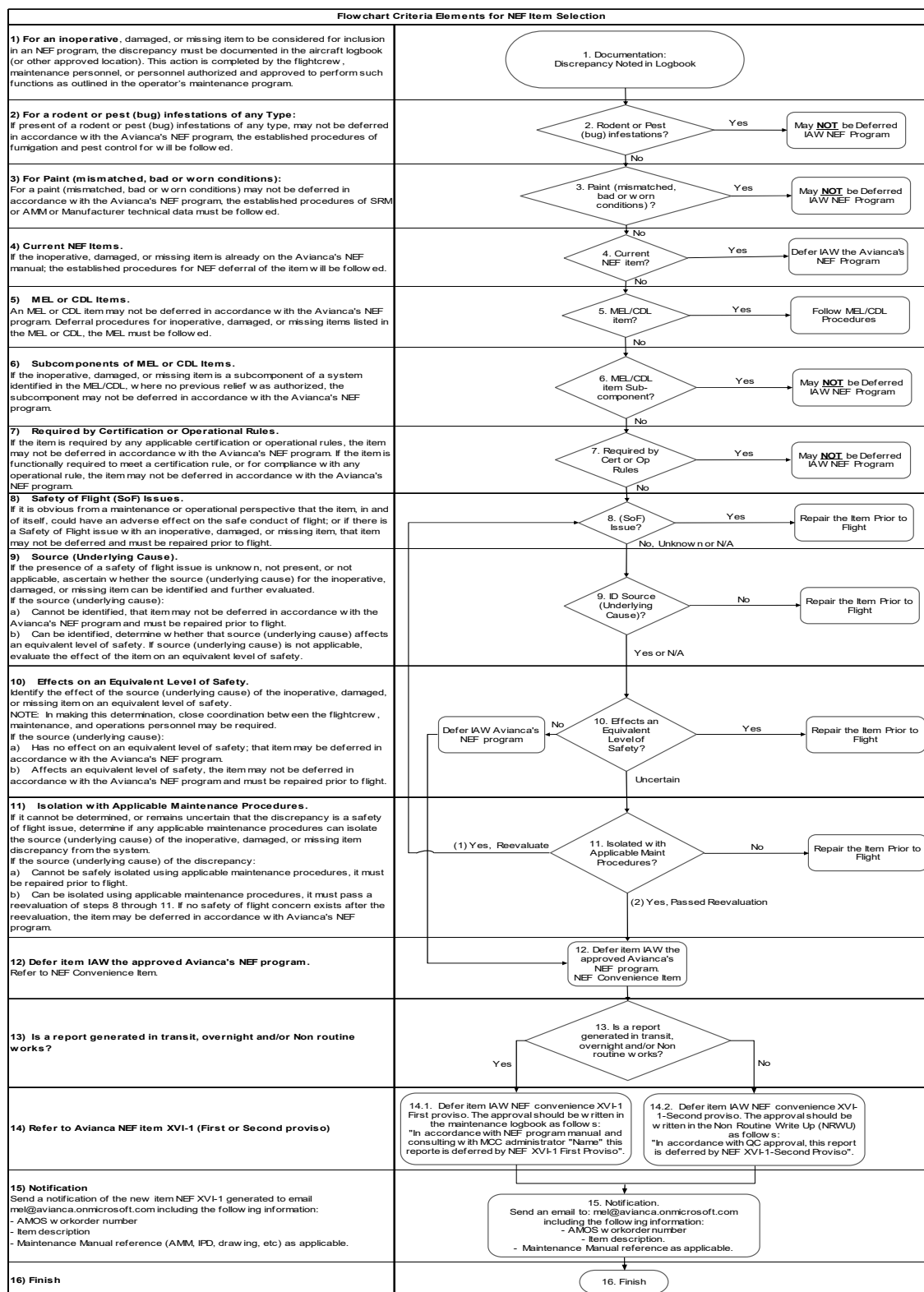
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PREAMBLE

Flow Chart Non-Essential Equipment and Furnishing (NEF)



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MANUAL CONTROL

The [AMOS Publication report](#) give the NEF owner's location and revision status will be kept in the Technical Publication Department. |

Uncontrolled copies will continue to be property of AeroGal, and will be marked with a stamp "UNCONTROLLED".

Upon receipt of a revision, each manual holder will be responsible for updating the manual according to the list of effective pages for each new revision.

The purpose of NEF program to include items of Non-Essential Equipment Furnishing to complement the MEL manual even though both have independent revision. For practical access to personnel, AeroGal attached NEF manual at the current MEL folder. |

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NEF MANAGEMENT

1. DEFINITION

NEF deferred items are those defects reported in operational service, which are deferred for later rectification. When maintenance personnel are reviewing technical and cabin log defects, the technician approved for such action, when making decisions whether to defer a discrepancy in the CMLB like a DMI¹ item, must strictly comply the following procedures:

NOTE: THE AEROGAL INFORMATION REMAINS INCLUDED IN THE AEROGAL CONTROL MAINTENANCE MANUAL CHAPTER 5.7 FOR DEFERRED REPORTS.

2 ISSUING AS A NEF-DMI ITEM

The maintenance personnel will follow the next items:

Thoroughly understand the pilot, cabin crew and technicians write up; if illegible or can not be easily interpreted, immediately contact the crew responsible to have a clear understanding of the defect.

Evaluate the defect rectification for trade category, if spares required are available on site and, if able to rectify during the scheduled turnaround / downtime. Consult the Non Essential and Furnishings list - NEF to determine if the particular defect is deferrable, according to the policies and intervals described in that document. Write down in the technical logbook & NEF Maintenance Log Book in the action column by quoting NEF reference, NEF category and deferred defect item number. Write down in the Deferred Maintenance log, which has been developed to record the maintenance information related to these Items. To more information refer to AeroGal Control Maintenance Manual Chapter 5.7.

Each inoperative item must be placarded to inform and remind the crewmembers and maintenance personnel of the equipment condition.

NOTE: TO THE NEF EXTENT PRACTICAL, PLACARDS SHOULD AS SMALL AS REQUIRED, IN THE APPROPRIATED COLOR AND COULD BE LOCATED ADJACENT TO THE AFFECTED NEF ITEM.

3 CORRECTION OF THE NEF ITEM AS DMI

Any NEF ITEM corrected as DMI has to be registered in the Cabin Maintenance Log & NEF Maintenance Log Book; also AEROGAL's correct action has to be recorded in the Cabin Maintenance Log & NEF Maintenance Log Book

All the DMI NEF has to be created in the SAP system and has to be close with the correct action

4 NEF DAILY CONTROL

Daily meeting as part of DMI meeting will be carried out for controlling the NEF items assuring that the materials, itinerary, manpower and additional resources will be available before NEF due dated. The personnel or their delegate identified below will conduct the daily briefing meeting:

5 DUTIES AND RESPONSIBILITIES

Airworthiness Control Chief is responsible for verifying that every NEF item is accomplished within the specified interval of time, with the required tools and material and, in general, to ensure that every item is corrected according to AEROGAL's policies established. Additionally, he/she is responsible for establishing a procedure to control the extensions or short escalations to NEF items as approved by Aeronautical Authorities according to the registration of the aircraft. Short

¹ DMI (Deferred Maintenance Item)

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escalations given are kept on board while the Deferred Item is finally completed. Airworthiness Control Chief is responsible for keeping record of those short escalations approved. He/she during daily meeting must request additional information to support the status of NEF items.

Maintenance Control Center in coordination with maintenance chief or technician in charge is responsible to coordinate the availability of personnel and logistic when any item is to be corrected in any outstation. In addition, through the MCC2 controllers permanent surveillance of the NEF items will be performed and it will be documented to the whole organization in the daily morning meeting.

When MCC controllers or service's inspector have to use section XVI (NEF Convenience Item) in order to differ a new Item , they have to follow the procedure given in Preamble page 4 (Flow chart NEF) of this manual in order to determine if the item is a NEF Item.

Items differed under section XVI (NEF Convenience) have to be registered and review on DMI meeting in order to update NEF Manual as applicable in each case, in the DMI meeting (one time per month) engineering department, quality control and maintenance staff, analysis each NEF convenience issued through the month with the following criteria (but not limited to) to substantiate a new item NEF before proposing to Airworthiness Authorities:

1. Review NEF flowchart applicable.
2. Times have been issued the NEF convenience to cover an item.
3. Criticality, delays and impact on daily operation.

Planning is responsible for establishing the date when, and the location where every item is to be corrected according to category of the item, availability of personnel, material, tooling. He is also responsible to ensure that date and location agreed are the must proper according to the Maintenance Program of the aircraft affected.

Material department personnel are responsible to ensure the availability of material required to accomplish every Deferred Maintenance item discussed in the meeting.

6 NEF ITEMS ADDITIONAL SHORT ESCALATIONS

NEF items with category A are not extended; and Only NEF items with category B,C,D, can be extended up to 30 calendar days by the internal Airworthiness Control Chief or his representative approval, provided argued lack of required equipment, tools, materials, parts or components with the respective proof of their acquisition process difficulties. If complexity of acquisition process is argued and properly supported with delivery lead times exceeding the period between item definition date and item limit date plus the allowed 30 calendar days, then it may be extended longer according the related unique delivery date. Additionally NEF items that require special lapse and other heavy maintenance circumstances may be extended up to and no later than next scheduled heavy maintenance check, as long as this condition is properly supported to Airworthiness Control Chief, (Item must be completely defined with the implied procedures' approved data reference, aircraft on ground elapse time, materials, parts, components, tools, equipment and any other applicable requirement)."

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7 NEF ADMINISTRATION

For modification, implementation, revisions and all internal administrative purposes of NEF manual, the responsible area of NEF manual is the AeroGal Reliability Engineer.

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I Cabin General

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
I-1	Miscellaneous Cabin Forms: Missing, Needs Replenishing	D	0	
I-2	Appearance Items: Worn, Soiled, Frayed, Torn, Damaged, Loose, Missing (must not present hazard to pax/crew or impede emergency egress) a) Cabin Interior Trim b) Carpet / Floor Coverings c) Curtains / Tiebacks d) Wall Coverings (including sidewall panels; excluding sidewall return air grilles)	D D D D	0 - 0 0	Replaced in the main base if the material is available. Replaced in the main base if the material is available. Minor repairs could be done during minor check; otherwise, it must be replaced during a major check or availability of aircraft.
I-3	Door Cover / Slide Bustle: Dirty, Minor/Insignificant Damage	D	0	Must be installed but worn, dirty or damaged is allowed if do not affect the correctly work of the door
I-4	Safety Demo Equipment a) Demo Safety Equipment: Safety Belt, Life Vest, O2 Mask	D	-	May be missing or inoperative provided: a) At least one Demo Safety Equipment must be operative in each section. b) Notify lead flight attendant, physical demo required c) If all Demo Equipment are missing or inoperative, Demo Safety Tape must be operative.
I-5	Coat Hanger Installation	D	0	

NEF ITEMS DO NOT AFFECT AIRWORTHINESS AND SAFE OPERATION

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NEF-1

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I Cabin General

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
I-6	Cabin Lighting/Signs			Only items not covered by MEL ATA 33
	a) Light Lens/Covers Loose, Damaged but light functions properly	D	0	Not including emergency lights.
	b) Lavatory Occupied Light	D	0	
I-7	Magazine Rack / Restraint	D	0	Display an Inoperative Placard in a prominent position on or near the magazine rack to be seen by flight crew and note it on CMLB, and alternative procedure must be conducted i.e. place the safety card on bottom cushion.
I-8	Mirrors	D	0	May be missing, dirty or dull but not broken.
I-9	Row Numbering Placards	D	0	Report on CMLB any row numbering placard missing or illegible, write numbers of seats in front and behind.
I-10	Seat Track Covers: Damaged, Loose, Missing	D	0	Any exposed wiring must be protected
I-11	Cabin Windows			
	a) Crazed, Moisture Between Panes	D	0	
	b) Interior Panel: Damaged, Needs Cleaning	D	0	
	c) Shades: Damaged, Inoperative	D	0	Inoperative shades must be in open position and display an Inoperative Placard in a prominent position on or near the shades to be seen by flight crew and note it on CMLB.
	d) Window Trim: Loose, Damaged, Missing	D	0	

NEF ITEMS DO NOT AFFECT AIRWORTHINESS AND SAFE OPERATION

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NEF-2

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I Cabin General

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
I-12	PSU Panel a) Individual Gasper Outlets	D	0	
I-13	Cabin Handset Cradle: Damaged (handset fully operational)	D	0	Cabin Handset Cradle may have minor or insignificant damage condition but must keep the handset in proper stow position
I-14	Electrical Outlets	D	0	Maintenance will electrically isolate the affected outlet by pulling and collaring the appropriate circuit breaker. No maintenance action required for the covers.
I-15	Ventilation Grill: Dirty	D	0	
I-16	Braille Book: Missing	D	0	Flight attendant must be followed their procedures
I-17	Cabin Divider Panels: Operable, but Difficult to Position Closed	D	0	
I-18	Baby Bassinet or attachment point missing	D	0	If at least one baby bassinet attachment point is missing or inoperative is not allowed to use the baby bassinet. Note: Notify to: interiors personnel, ground handling personnel and flight crew before each flight.
I-19	Seat Belt Extensions Seat Belt For Infants	D D	0 0	Notify dispatch. Notify dispatch.
I-20	Cabin Speakers static but operational	D	0	May be inoperative provided inoperative speakers are not adjacent to each other

NEF ITEMS DO NOT AFFECT AIRWORTHINESS AND SAFE OPERATION

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I Cabin General

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
I-21	Electrical Outlet Door damaged or missing	D	0	Maintenance will electrically isolate the affected outlet, display an Inoperative Placard in a prominent position on or near the affected location No maintenance action required for covers.
I-22	Seatback / Bulkhead / Sidewall Literature Pockets	D	-	At least one must be operative in double TC and BC seat and two per triple seat. The safety card must be placed on bottom cushion.
I-23	Passenger Seat Attendant Call			
	a) Passenger Seat Call Light(s)	D	-	May be inoperative provided: a) The associated assembly seat must be considered Inoperative and transferred by applicable MEL 25-20-01A. b) Display an Inoperative Placard on FWD face backrest of each passenger seat, and c) Report the condition to flight crew, Maintenance Control Center and Dispatch Operation Station.
	b) Passenger Seat Call Button(s)	D	-	May be inoperative provided: a) The Passenger Control Unit (PCU) flight attendant button is operative b) Display an Inoperative Placard on FWD face backrest of the passenger seat affected, and c) Report the condition to flight crew, Maintenance Control Center and Dispatch Operation Station.
I-24	Lighting			
	a) Passenger Reading Light(s)	D	-	If flight is conducted at night only 25 reading lights could be Inoperative provided: a) Only one reading light is permitted inoperative per seat assembly b) Report the condition to flight crew, and note it on CMLB
		D	0	Only for flights conducted during the day all passenger reading lights could be inoperative
	c) Work Station Light(s)	D	0	

NEF ITEMS DO NOT AFFECT AIRWORTHINESS AND SAFE OPERATION

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AeroGal

NEF – NON-ESSENTIAL EQUIPMENT AND FURNISHINGS

Airbus A319/A320

I Cabin General

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
I-25	Seat Miscellaneous			
	a) Passenger Seat Tray Table Assembly & Latch	D	-	Must be on serviceable condition although trim dirty, worn, torn, minor or insignificant damage condition, Note: If the tray table is inoperative or missing the related seat must be placard as "Restricted" (P/N RESTRICTED), advise the flight crew, notify to MCC and dispatch control center to use restriction policy about seats restricted.
	b) Passenger Seat Headrest(s)	D		
	c) Passenger Seat Trim	D	-	May be damaged, worn or missing provided that look of the seat and comfort of the passenger are not affected.
	d) Passenger Seat Cushion(s) (Backrest, bottom, las apply)	D	-	Must be on serviceable condition although trim dirty, loss of thickness, worn, soiled, frayed, torn, minor or insignificant damage condition and make sure that not affect the passenger comfort.
	e) Passenger Seat Dress cover and life vest pocket	D	-	Must be on serviceable condition although trim dirty, worn, soiled, frayed, torn, minor or insignificant damage condition.
	f) Seat plastic covers, bisels and bumpers	D	-	Must be on serviceable condition although trim dirty, worn, soiled, frayed, torn, minor or insignificant damage condition.
I-26	Cabin Interior Placards			
	a) Interior Placards	D	-	May be missing, damage, degraded provided: <ul style="list-style-type: none"> a) All emergency equipment labels must be installed and legible. b) All Emergency Exit doors labels must be installed and legible. c) Label of MAX WEIGHT LOAD inside bin compartment could be missing as long as adjacent bin has this label installed and legible.

NEF ITEMS DO NOT AFFECT AIRWORTHINESS AND SAFE OPERATION

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AeroGal
NEF – NON-ESSENTIAL EQUIPMENT AND FURNISHINGS
Airbus A319/A320

I Cabin General

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
I-27	IFE Electrical/Electronic system/Components			
	i) A320			
	a) File Server (FS)	D	0	May be inoperative. NOTE 1: Notify to, flight attendants, onboard services and departure operations.
	b) System Controller (SC)	D	0	May be inoperative. NOTE 1: Notify to, flight attendants, onboard services and departure operations.
	c) Crew Panel (CP)	D	0	May be inoperative. NOTE 1: Notify to, flight attendants, onboard services and departure operations.
	d) Advance Master Control Unit (MCU)	D	0	May be inoperative. NOTE 1: Notify to, flight attendants, onboard services and departure operations.
	e) Area Distribution Box (ADB)	D	0	May be inoperative. NOTE 1: Notify to, flight attendants, onboard services and departure operations.
	f) Video Control Center (VCC)	D	0	May be inoperative. NOTE 1: Notify to, flight attendants, onboard services and departure operations.
	ii) A319			
	a) Tapping Unit	D	0	May be inoperative. NOTE 1: Notify to, flight attendants, onboard services and departure operations.
	b) Wall disconnect box (WDB)	D	0	May be inoperative. NOTE 1: Notify to, flight attendants, onboard services and departure operations.
	c) System Control (SC-A)	D	0	May be inoperative. NOTE 1: Notify to, flight attendants, onboard services and departure operations.
	d) Crew Panel	D	0	May be inoperative. NOTE 1: Notify to, flight attendants, onboard services and departure operations.
				(Continued)

NEF ITEMS DO NOT AFFECT AIRWORTHINESS AND SAFE OPERATION

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May 06, 2016

NEF-6

AeroGal
NEF – NON-ESSENTIAL EQUIPMENT AND FURNISHINGS
Airbus A319/A320

I Cabin General

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
I-27	IFE Electrical/Electronic system/Components (Cont).			
	e) Main Multiplexer (MM)	D	0	May be inoperative. NOTE 1: Notify to, flight attendants, onboard services and departure operations.
	f) LCD Monitor Retractable	D	0	May be inoperative. NOTE 1: Notify to, flight attendants, onboard services and departure operations.
I-28	Seats Electrical/Electronic systems/Components B/C and Y/C			
	a) Passenger Control Unit	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.
	i) A319 B/C			
	a) Liquid crystal display (LCD)	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.
	b) Ipad connector	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.
	c) RJU jack connector	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.
	d) USB connector	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.
	e) ISP connector	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.
	f) Handset	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.
	g) Seat Electronic Box	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.

(Continued)

NEF ITEMS DO NOT AFFECT AIRWORTHINESS AND SAFE OPERATION

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AeroGal
NEF – NON-ESSENTIAL EQUIPMENT AND FURNISHINGS
Airbus A319/A320

I Cabin General

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
I-28	Seats Electrical/Electronic systems/Components			
	ii) A320 B/C			
	a) Liquid crystal display (LCD)	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.
	b) Ipod connector	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.
	c) RJU jack connector	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.
	d) USB connector	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.
	e) ISP connector	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.
	f) Handset	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.
	iii) A319 T/C			
	a) Liquid crystal display (LCD)	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.
	b) RJU jack connector	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.
	c) USB connector	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.
	d) ISP connector	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.
	e) Handset	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.
	f) Seat Electronic Box	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.
	iv) A320 T/C			
	a) Liquid crystal display (LCD)	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.
	b) RJU jack connector	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.
	c) USB connector	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.

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NEF ITEMS DO NOT AFFECT AIRWORTHINESS AND SAFE OPERATION

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AeroGal
NEF – NON-ESSENTIAL EQUIPMENT AND FURNISHINGS
Airbus A319/A320

I Cabin General

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
	d) ISP connector	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.
	e) Handset	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.
	f) Seat Electronic Box	D	0	May be inoperative, notify to flight attendants, MCC and IFE technical personnel.
I-30	Enhanced Biological Hazard Kit (If installed)	C	0	May be inoperative, notify to flight attendants, MCC and dispatch.
I-31	Uninhabited Terrain Survival Kit (If installed)			
	UTSK A (Cockpit)	C	0	Except for operations over uninhabited terrain areas may be inoperative, missing or incomplete provided operations do not require its use, notify to flight attendants, MCC and dispatch.
	UTSK B (Cabin Passenger)	C	0	Except for operations over uninhabited terrain areas may be inoperative, missing or incomplete provided operations do not require its use, notify to flight attendants, MCC and dispatch.
I-32	Strap –Safety	C	0	May be inoperative or missing provided: a) The affected door must be closed during transit, and b) The others passenger and service doors must be operational. Note: The door affected is considered restricted during transit only.

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September 20, 2017

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AeroGal
NEF – NON-ESSENTIAL EQUIPMENT AND FURNISHINGS
Airbus A319/A320

I Cabin General

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
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NEF – NON-ESSENTIAL EQUIPMENT AND FURNISHINGS
Airbus A319/A320

II Galley

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
II-1	Coffee Makers	D	0	May be Inoperative provided notify to catering, flight crew and Maintenance Control Center (MCC).
II-2	Coffee/Tea/Brewing Pots	D	0	May be Inoperative notify to catering, flight crew and Maintenance Control Center (MCC).
II-3	Ovens and Controls	D	2	For international flight may be Inoperative provided notify to catering, flight attendant crew and Maintenance Control Center (MCC).
		D	0	Ovens are not required for domestic flight
II-4	Air Gaspers	D	0	
II-5	Work Lights	D	0	
II-5	Galley Sinks and Drains	D	0	May be Inoperative provided that: a) Notify to flight crew and, b) Place an Inoperative placard in a visual place close to sink or drain.
II-6	Work Tables	D	0	
II-7	Sink Drain Handle	D	0	Could be Inoperative if not liquids are throw
II-8	115VAC Power Outlets	D	0	If the power outlet does not supply electricity, display an Inoperative Placard in a prominent position on or near the affected outlet(s) to be seen by flight crew and note it on CMLB, If the Power outlet is damaged or missing but it still working without short circuit risk report on CMLB.

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October 22, 2015

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AeroGal
NEF – NON-ESSENTIAL EQUIPMENT AND FURNISHINGS
Airbus A319/A320

II Galley

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
II-9	Cabin cart tie down (Mushroom)	D	0	Could be inoperative or missing provided: a) Shuttle valve must be in CLOSE position b) Make sure there are not leaks, and c) Display an inoperative Placard in a prominent position on or near the affected valve to be seen by flight crew and note it on CMLB,

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NEF – NON-ESSENTIAL EQUIPMENT AND FURNISHINGS
Airbus A319/A320

III Flight Deck

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
III-1	Access compartment latches	D	0	Display an Inoperative Placard on or near the latch (es) and note it on the CMLB.
III-2	Ashtrays (Flight Deck)	D	0	Note: By AeroGal policy all flights are non smoking.
III-3	Coat and/or hat hooks	D	0	
III-7	Compartment Doors	D	0	Maintenance will secure door(s) in closed position and display an Inoperative Placard on or near the compartment door and note it on the CMLB.
III-8	Cup holders	D	0	Could be damaged or missing provided that: Advise flight crew about this condition.
III-9	Document holder (including retention bar/strap)	D	1	At least in one side must be installed and operative.
III-10	Eyebrow window visor	D	0	
III-11	Anti Hijack Camera Monitoring System	D	0	
III-12	Spring Clip (located left of document holder)	D	1	May be missing or inoperative provided: Note: If item III-9 (Document holder) is missing or inoperative the remaining spring clip must be located in the same side of the serviceable document holder
III-13	Trim of seats, sidewalls, overheads cover, and floor.	D	-	Note: the related furnishing must be on serviceable condition although trim dirty, worn, soiled, frayed, torn, minor or insignificant damage condition.

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Airbus A319/A320

III Flight Deck

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
III-14	Window Heat contact covers	D	0	Could be missing or damage provided Crew be informed and place an Inoperative placard near to window heat contact covers making sure do not affect flight crew visibility.
III-15	Sunshades	D	0	
III-16	Captain's food tray	D	0	
III-17	Carpet	D	0	
III-18	Foot tread trim	D	0	
III-19	Logbook Holder	D	0	
III-20	Outlet for external power test equipment 115V 400 cycle 1000 watts (inside upper left)	D	0	If the power outlet does not supply electricity, display an Inoperative Placard in a prominent position on or near the affected outlet(s) to be seen by flight crew and note it on CMLB, If the Power outlet is damaged or missing but it still working without short circuit risk report on CMLB.
III-21	Outlet for external power test equipment 28V 400 cycle 400 watts	D	0	If the power outlet does not supply electricity, display an Inoperative Placard in a prominent position on or near the affected outlet(s) to be seen by flight crew and note it on CMLB, If the Power outlet is damaged or missing but it still working without short circuit risk report on CMLB.

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AeroGal
NEF – NON-ESSENTIAL EQUIPMENT AND FURNISHINGS
Airbus A319/A320

IV Lavatories

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
IV-1	Door spring	D	0	Could be damaged or loose provided that door operate normally in CLOSE and OPEN position
IV-2	Sanitizer dispenser	D	0	
IV-3	Seal strip on lavatory door	D	0	
IV-4	Privacy stop on lavatory door	D	0	
IV-5	Vanity mirror	D	0	May be missing, dirty or dull but not broken.
IV-6	Lavatory seat cover holder	D	-	Note: Lavatory seat cover holder must be on serviceable condition although trim dirty, worn, soiled, frayed, torn, minor or insignificant damage condition.
IV-7	Toilet paper roller	D	0	May be inoperative, missing or minor insignificant damage condition provided: a) Display an Inoperative Placard in a prominent position on or near the affected toilet paper roller to be seen by flight crew. b) Notify to Grand Handling and Maintenance Control Center. (MCC).
IV-8	Vanity lights	D	0	May be inoperative, missing or minor insignificant damage condition provided: a) Display an Inoperative Placard in a prominent position on or near the affected vanity lights to be seen by flight crew b) Notify to Maintenance Control Center. (MCC).
IV-9	Mirror lights	D	0	May be inoperative, missing or minor insignificant damage condition provided: a) Display an Inoperative Placard in a prominent position on or near the affected mirror lights to be seen by flight crew. b) Notify to Maintenance Control Center. (MCC).

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AeroGal
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Airbus A319/A320

IV Lavatories

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
IV-10	Diaper changing table	D	1	May be inoperative provided: a) At least one must be operative. b) If latch is damage or missing removed the diaper changing table c) If diaper changing table has a prominent damage make sure it must be in closed position and display an Inoperative placard, and d) Advise to flight crew where the location of it is.
IV-11	Assist handles	D	1	May be inoperative provided: a) Removed the affected assist handle b) At least one lavatory must have assist handle installed, and c) Advise to flight crew which lavatory has this condition.
IV-12	Toilet seat lid	D	-	May be damaged, missing, dirty or worn
IV-13	Soap holder	D	0	May be inoperative, missing or minor insignificant damage condition provided: a) Advise to flight crew which lavatory has this condition. b) Notify to Ground Handling, flight crew and Maintenance Control Center (MCC).
IV-14	Toilet or Faucet or basin plug	D	0	May be Inoperative provided: a) Associated lavatory with Toilet, faucet or basin plug Inoperative must be CLOSED and place outside the door a placard Inoperative, and b) Notify to Maintenance Control Center (MCC) and dispatch operation center
IV-15	Hot and cold faucet indicators	D	0	
IV-16	Cup Holder	D	0	

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Airbus A319/A320

IV Lavatories

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
IV-17	Coat hook	D	0	
IV-18	Miscellaneous placards (Lavatories)	D	0	
IV-19	Paper towel holder	D	0	May be inoperative, missing or minor insignificant damage condition provided: a) Display an Inoperative Placard in a prominent position on or near the affected paper towel holder to be seen by flight crew. b) Notify to Ground Handling, flight crew and Maintenance Control Center (MCC).
IV-20	Interior wall trim/coverings	D	0	Note: The related furnishing must be on serviceable condition although trim dirty, worn, soiled, frayed, torn, minor or insignificant damage condition.
IV-21	Air grill covers	D	0	

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IV Lavatories

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
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NEF – NON-ESSENTIAL EQUIPMENT AND FURNISHINGS
Airbus A319/A320

V - Air Conditioning

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
V-1	Cabin sidewall panels	D	0	May be dirt, deteriorate or show minor damage. 1. Provide cleaning. Notify to Maintenance Control Center (MCC) in order to repair or replace the first maintenance convenient check.
V-2	Cockpit air outlets and individual air outlets.	D	0	May be dirt, deteriorate or show minor damage. 2. Provide cleaning. 3. Notify to Maintenance Control Center (MCC) in order to repair or replace the first maintenance convenient check.
V-3	Lavatory/Galley grilles and individual air outlets.	D	0	May be dirt, deteriorate or show minor damage. 1. Provide cleaning. 2. Notify to Maintenance Control Center (MCC) in order to repair or replace at the first maintenance convenient check.
V-4	Cargo compartment inlets and outlets.	D	0	May be dirt, deteriorate or show minor damage. 1. Provide cleaning. 2. Notify to Maintenance Control Center (MCC) in order to repair or replace at the first maintenance convenient check.
V-5	Air Outlets	D	0	May be stuck or clogged. Provide cleaning, repair or replace at the next convenient check period.
V-6	Side wall panels and grilles	D	0	May be stuck or clogged. Provide cleaning, repair or replace at the next convenient check period.
V-7	Air conditioning panel knobs	D	0	May present minor damage, but must be serviceable.
V-8	Cabin pressure panel knobs	D	0	May present minor damage, but must be serviceable.

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Airbus A319/A320

V - Air Conditioning

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
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NEF – NON-ESSENTIAL EQUIPMENT AND FURNISHINGS

Airbus A319/A320

VI – Fire Protection

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
VI-1	Mounting brackets	D	0	May be deteriorated, repair or replaced on the next 750 FH check.
VI-2	Engine/APU/Cargo fire extinguishing panel covers.	D	0	May be broken as long as repairs are made on the next 750 FH check.
VI-3	Cargo heat panel knobs	D	1	May present minor damage, but must be serviceable.
VI-4	Cargo smoke panel covers	D	0	May be broken as long as repairs are made on the next 750 FH check.

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NEF – NON-ESSENTIAL EQUIPMENT AND FURNISHINGS
Airbus A319/A320

VI – Fire Protection

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
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AeroGal
NEF – NON-ESSENTIAL EQUIPMENT AND FURNISHINGS
Airbus A319/A320

VII – Flight Controls

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
VII-1	Flap and Slat packings and seals.	A	0	May show dirt, worn, fray, torn, or minor damage. Perform replacement on next 750FH. They must be on serviceable condition and if leakage is present, drops must be between limits.
VII-2	Speed brake control lever	D	1	May be deteriorated or Scratched. Check that there is not freeplay within the handle path.

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NEF-23

AeroGal
NEF – NON-ESSENTIAL EQUIPMENT AND FURNISHINGS
Airbus A319/A320

VII – Flight Controls

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
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NEF – NON-ESSENTIAL EQUIPMENT AND FURNISHINGS
Airbus A319/A320

VIII – Fuel

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
VIII-1	Fuel System Panel switches	D	0	May present cosmetic damage.
VIII-2	Fuel System Control Panel knobs.	D	0	May be deteriorated or present minor superficial damage condition, they must be serviceable.

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NEF-25

AeroGal
NEF – NON-ESSENTIAL EQUIPMENT AND FURNISHINGS
Airbus A319/A320

VIII – Fuel

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
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AeroGal
NEF – NON-ESSENTIAL EQUIPMENT AND FURNISHINGS
Airbus A319/A320

IX – Hydraulic Power

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
IX-1	Rat man on switch cover	A	0	May be deteriorated but must be serviceable.
IX-2	Hydraulic System Panel switches	D	0	May present cosmetic damage.
IX-3	Hydraulic Maintenance Panel switch covers	D	0	May be deteriorated but serviceable.
IX-4	Hydraulic Hoses Shielding	D	0	May be deteriorated provide maintenance verify that there is not hydraulic leak.
IX-5	Differential Pressure Indicators Dust Caps	A	0	May be dust or missing provide that the indication (pop out) it available and the replacement is made on next 750 FH check
IX-6	Hydraulic tubes supports	A	0	May be deteriorated or missing. Maintenance verify adequate tubes conditions and enough clamps securing hydraulic tube to avoid any contact, provided repairs are made on next 750 FH check
IX-7	Bonding Straps	D	0	May be missing or broken provide repair in the next 750 check.

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AeroGal
NEF – NON-ESSENTIAL EQUIPMENT AND FURNISHINGS
Airbus A319/A320

IX – Hydraulic Power

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
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AeroGal
NEF – NON-ESSENTIAL EQUIPMENT AND FURNISHINGS
Airbus A319/A320

X – Landing Gear

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
X-1	Landing Gear System hoses brackets	D	0	May be missing provided: a) Check for evidence of chafing or cuts. b) Check the brackets following in both sides are in good condition
X-2	Landing Gear System Oil Service Caps	D	0	May be missing if there are no leaks and shock strut is servicing and checked in accordance with the placard instructions in the MLG strut door.
X-3	Landing Gear door packings and seals	D	0	May be missing if there are not door open indication reports.
X-4	MLG and NLG placards and markings	D	0	May be missing if servicing is performed per maintenance manual
X-5	Landing Gear lever	D	1	May be deteriorated or Scratched, but serviceable. Check that there is not freeplay within the handle path.
X-6	MLG and NLG electrical harnesses clamps	D	0	May be deteriorated or missing, check harness by condition and proper routing.
X-7	MLG Electrical Harnesses Shielding (conduit)	D	1	May be deteriorated if wires are not exposed otherwise correct before next flight.
X-8	Center instrument panel switch/ Antiskid	A	0	May present cosmetic damage but must be on serviceable condition.
X-9	MLG Spare Static Seals at shock strut	D	0	Check there are no leaks out of limits according to maintenance manual.
X-10	Protractor placard	D	0	May be missing but available when performing weight and balance.
X-11	MLG door bonding jumpers	D	0	May be missing Check there are not indicating reports otherwise reinstall in the next 750 FH check.
X-12	Parking Brake Knob	D	1	May be deteriorated or Scratched. Check that there is not freeplay within the handle path.

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AeroGal
NEF – NON-ESSENTIAL EQUIPMENT AND FURNISHINGS
Airbus A319/A320

X – Landing Gear

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
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NEF – NON-ESSENTIAL EQUIPMENT AND FURNISHINGS

Airbus A319/A320

XI – Oxygen

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
XI-1	Portable Oxygen Bottles support	A	0	May be deteriorated or minor damage condition; make sure that the latch on the clamp keeps the portable oxygen cylinder in place. Replacement is made on next 750 FH check.
XI-2	Crew Oxygen masks cushions	D	0	The Cushions may be spoiled or any minor damage condition
XI-3	Oxygen panel cover	D	0	May be deteriorated but serviceable.

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XI – Oxygen

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
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XII - Water and Waste

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
XII-1	Potable Water Drain Valve	A	0	May be inoperative provided crew is informed and repairs are made as soon as the material is available or in the next 750 FH check.
XII-2	Lavatory Washbasin drain plug	D	0	May be deteriorated or missing.
XII-3	Lavatory Water Heaters	A	0	May be inoperative provided crew is informed and repairs are made in the next 750 FH check.
XII-4	Waste Tank quantity indicators	A	0	May be inoperative provided repairs are made in the next 750 FH check. Perform service lavatory in each flight.
XII-5	Water/Waste systems clamps	D	0	May be missing or damaged provided that the next clamp is in good condition.
XII-6	Water and Waste service panels fasteners, caps, covers, door hinges, and latches	D	0	May be missing or loose provided maintenance verifies that there is not water leak and repairs are made as soon as the material is available
XII-7	Drain Valve Control Cable	A	0	May be inoperative provided crew is informed and repairs are made as soon as the material is available or in the next 750 FH check.
XII-8	Toilet Shroud	D	0	May be deteriorated or minor damage condition.
XII-9	Waste Tank Rinse Nozzles	A	0	May be damaged or cracked provided repairs are made in the next 750 FH check.
	a) Rinse Nozzles Cap	D	0	May be deteriorated provided maintenance verifies that there is not fluid leak and repairs are made as soon as the material is available.

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XII - Water and Waste

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
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XIII - Electric / Lights / Avionics

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
XIII-1	Microphone / Boomset Holder /Hook, Missing Or Inoperative	D	0	Maybe inoperative provided crew is informed
XIII-2	Window Heaters Contact Covers May Be Damaged Or Missing	D	0	Crew be informed and place an inoperative placard near to window heat contact covers making sure do not affect flight crew visibility.
XIII-3	Relay / Contactor Contact Cover	D	0	Maintenance verify terminal torque and cable clamping to prevent contacts to come in contact with metallic or conductive surfaces
XIII-4	Maintenance Test Plugs / Ports / Connectors Cover Missing Or Damaged	D	0	Except pitot-static ports that can cause leak to air data instruments
XIII-5	McdU Test Or Data Download / Upload Ports, Inoperative Or Damaged	D	0	Maintenance verify proper operation of the affected system for normal operation. Placard only maintenance function affected. If actual data download is impaired and affects system integrity defer system as per MEL procedures
XIII-6	McdU / Radio Management Panels Buttons / Displays Windows Damaged.	D	0	Maintenance verify proper operation of the affected system for normal operation. Placard maintenance function affected
XIII-7	Spare Bulb Box Contents Not Complete	C	0	Placard kit to be seen by flight crew
XIII-8	Aircraft Antennas Erosion / Painting Damaged But Not Cracked Or Broken	D	0	Maybe inoperative as long as associated system works adequately, in case of a broken antenna consider system inoperative defer as per adequate MEL procedures, evaluate and correct to avoid fod .
XIII-9	Leveling / Jacking Attitude Indicator Missing Or Inoperative	D	0	Use alternative tools or leveling devices / for maintenance operations Must be operative for alternate fueling procedures
XIII-10	Overhead Panels Integral Light Inoperative.	D	0	Lights remaining provides acceptable illumination to the crew for intended flight conditions
XIII-11	Avionics Bay Light Covers Missing Or Damaged.	D	0	Maintenance verify light is off before closing e/e avionics bay compartment

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XIII - Electric / Lights / Avionics

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
XIII-12	Lavatory Area / Mirror Light Inop	D	0	Available light permits lavatory use, otherwise deactivate per MEL procedures
XIII-13	Engine / APU Generator Terminals Insulation Covers Damaged Or Missing	D	0	Maintenance verify adequate: terminal torque, Cable routing and enough Clamps securing harness to avoid contact loosening
XIII-14	Light Dimmer Knob Damaged	D	0	Verify rotation is possible for dim and bright positions
XIII-15	Landing / Taxi Lights Gaskets / Adjusting Devices Damaged Or Missing	D	0	Maintenance verify light alignment and operation is adequate otherwise defer as per MEL procedures and limitations.
XIII-16	Flight Control Unit / Radio Management Panels Integral Light Dim Or Inoperative	C	0	Crew verify area light is acceptable for intended flight operations
XIII-17	Flight Control Unit / Radio Management Panels Window Glass Cracked Or Damaged	D	0	Maintenance verify crew can select and visualize any value within system range Crew verify information displayed properly without ambiguity or distortion
XIII-18	Radio Management Panels Display Window Glass Damaged / Cracked	C	0	No broken or loose parts allowed, data is legible and acceptable for flight operations
XIII-19	Inspection / Service Lights Inoperative / Damaged	D	0	Maintenance verifies light is off and deactivated for flight.
XIII-20	Galley Light Dim Or Partially Working	C	0	Remaining lighting is sufficient for cabin attendants to perform their duties
XIII-21	Reading / Call Light Cover Cracked / Damaged	D	0	No loose parts, no contacts or lamp exposed to avoid personal injury
XIII-22	Landing Gear Bay Light Inoperative / Dim Or Securing Parts Missing.	D	0	Main landing gear periscope visor light must be operative.
XIII-23	Utility Power Outlets Inoperative Or Damaged	D	0	Maintenance placard and deactivate outlet, isolate any exposed contacts
XIII-24	Landing Gear Electrical Harness Conduit Shield Eroded/ Damaged	C	0	Maintenance verifies electrical wires integrity is not compromised clamp and secure to avoid additional damage. Do provisional repair as per standard wiring practices

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XIV - Structures

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
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XIV - Structures

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
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XV - Engines

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
XV-1	Miscellaneous placards and markings	D	0	All placards and marking except any related to oil system, fuel system and any indication of a primary system.

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XV - Engines

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
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XVI - NEF Convenience

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
XVI-1	NEF Convenience	D	-	<p>For reports generated in transit, overnight, and Non Routine works. if the Item(s) are not covered in I thru XV, may be deferred provide:</p> <ul style="list-style-type: none"> a) Item do not affect safety of flight, and b) Contact MCC office, in order to give dispatch release under this item, following the procedure given in Preamble, page 4 "NEF Flow Chart" of this manual. <p>NOTE: In accordance with proviso b), the approval should be written in the maintenance logbook as follows: "In accordance with NEF program manual and consulting with MCC administrator "Name" this report is deferred by NEF XVI-1".</p>
		A	-	<p>For reports generated in service if the Item(s) are not covered in I thru XV, may be deferred provide:</p> <ul style="list-style-type: none"> a) Defect does not affect safety of flight, and b) In progress scheduled check Inspector must follow procedure given in preamble "NEF Flow Chart" of this manual, in order to assure total conformance prior to release Aircraft with this deferred item, c) All required resources regarding materials, parts, Man hours, aircraft on ground lapse, technical documentation, equipment/tools, hangar, other facilities, engineering and/or shops assistance, and others as required for corrective repair, must have been completely defined and so reflected by record entries in Maintenance control software used to control Deferred Defects d) Defect corrective repair interval must be always defined by Inspector with due date equal to next Heavy Check or 180 Days, whichever occurs later (W.O.L.) and same text "Next Heavy Check / 180 Days -W.O.L-" must be so written in respective record, projected scheduling specific date should not be written, and e) At Next Heavy Check Maintenance Leaders and Inspectors responsible of Aircraft release must make sure that all previous Defects Deferred as NEF Convenience Item with 180 Days or longer are accomplished prior to Aircraft dispatch. <p>NOTE: In accordance with proviso b), the approval should be written in the Non Routine Write Up (NRWU) as follows: "In accordance with QC approval, this report is deferred by NEF XVI-1".</p>

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XVI - NEF Convenience

ITEM	SUBJECT	CAT	MIN REQ	REMARKS OR EXCEPTIONS
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