



**System Requirements Specifications (Abridged)
Surveillance And Enforcement Division
Surveillance (Ramp Inspection) Of Foreign Aircraft-
SED 2**

Version: 1.1

SED2.1 – SOFA/RAMP INSPECTION MODULE CREATION (PRE PLANNING)

Project Name:	eGCA
Customer Name:	Directorate General of Civil Aviation
Location:	New Delhi



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All revisions made to this document are listed here in sequential order

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1.1	Saurabh Srivastava	16-02-2016	K.P. Srivastava	17-02-2016	

SRS Approval History			
Submitted by	Approver Name & Designation	Approval Date	Signature

Note:

1. eGCA application will have a separate section/module specific to Ramp Inspection activity.
2. The system will have an option to perform aircraft Ramp Inspection for both indian aircraft and foreign aircraft.
3. Similar process will be adopted for Ramp Inspection of indian aircraft following standards of DGCA references to record inspection findings as mentioned in Ramp Inspection Manual – CAP8500,Appendix 3.



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SED1	SED2.1 – SOFA/RAMP INSPECTION MODULE CREATION (PRE PLANNING)
ADMINISTRATOR	DIRECTOR – SURVEILLANCE AND ENFORCEMENT DIVISION
MODULE OWNER	FLIGHT STANDARDS DIRECTORATE(FSD)

1. SYNOPSIS

SOFA/RAMP INSPECTION MODULE CREATION(PRE PLANNING) OF SOFA/RAMP INSPECTION ACTIVITY

INPUT

1. Module owner details.
 2. SOFA/Ramp Inspection activity reference Details.
 3. Short title of the SOFA/Ramp Inspection module
 - 3.1. Time assigned to complete the SOFA/Ramp Inspection activity.
 - 3.2. Administrator details.
 - 3.3. Applicability Details.
 - 3.4. Checklist Details.
 - 3.5. References details of auditee.
 - 3.6. Suggested Findings details.
-

PROCESS

Specific admin/User(Module owner) of FSD enters the relevant data for SOFA/Ramp Inspection Module Creation(Pre Planning) for Surveillance(Ramp Inspection) Of Foreign Aircrafts . Post data entry an email will be sent to Administrator (FSD's specific admin/user) of Surveillance Activity and to Specific admin/user(Module Owner) of the FSD, intimating about the pre planned SOFA/Ramp Inspection module creation so that they can start planning for this module.

EXEMPTION

OUTPUT

1. A success message will be generated for creation of module id.
 2. SOFA/Ramp Inspection Module Id gets generated and Module id will be flashed as per format given by DGCA.
-



2. REFERENCES

RULE	Rule 133B of the Aircraft Rules 1937
AIC	5 OF 2009
PROCEDURE MANUAL	Surveillance Procedure Manual(SPM) : Chapter 3, Appendix "D".
OTHERS	GM: Ramp Inspection Manual – CAP 8500 Paragraph 4.2.2.2 of ICAO Annex 6 (Operation of Aircraft, Part I – International Commercial Air Transport – Aeroplanes)



3. BUSINESS RULES

ID No.	REFERENCE CAR / AIC / PR. MANUAL/GM	III. BUSINESS RULES – DIFFERENTIATE BUSINESS RULES, PROCESS AND FEATURE	Rem arks
SED2.1 / BR 1	<p>GM: Ramp Inspection Manual – CAP 8500,Chapter 3</p> <p>SPM : Surveillance Procedure Manual, Chapter 3</p> <p>AIC : Aeronautical Information Circular 05/2009</p> <p>Others : ICAO : Paragraph 4.2.2.2 of ICAO Annex 6 (Operation of Aircraft, Part I – International Commercial Air Transport – Aeroplanes)</p>	<p>Surveillance Activity :Surveillance Of Foreign Aircraft(SOFA): States performs a well establish programmed surveillance of operations in their territory by a foreign operator and takes appropriate action when necessary to preserve safety. Designated airlines of foreign countries who have been issued the operating authorization / permit by DGCA are subjected to surveillance by inspectors of DGCA in accordance with the procedures established. The surveillance of foreign airlines shall be limited only to ramp inspection including documentation reviews.</p>	
SED2.1 / BR 2	<p>GM: Ramp Inspection Manual – CAP 8500,Appendix 5</p>	<p>Checklist For Surveillance Of Foreign Aircraft(SOFA)</p>	

4. APPLICATION / DATA ELEMENTS

ID	REFERENCE CAR / AIC / PR. MANUAL	PARTICULARS	DETAIL	Remarks
SED2.1 – DE 1		MODULE OWNER	It will have NAME OF DIRECTORATE/OFFICE detail. For Surveillance (Ramp Inspection) Of Foreign Aircraft FSD will do the Pre Planning and planning of Surveillance activity.	Master driven values for name of directorate/office, Populated from master list. For detailed validation about this field, please refer SRS section SED2.1/10.1 – 1.a
SED2.1 – DE 2		SOFA/RAMP INSPECTION ACTIVITY REFERENCE	It will have NAME OF SOFA/RAMP INSPECTION ACTIVITY detail. For SOFA, SURVEILLANCE (RAMP INSPECTION) OF FOREIGN AIRCRAFT will be populated.	Master Driven Values for Name Of all SOFA/Ramp Inspection Activity, associated with module owner's directorate/office. For detailed validation about this field, please refer SRS section SED2.1/10.1 – 2.a
SED2.1 – DE 2.1		SOFA/RAMP INSPECTION REFERENCE DETAILS	It will have REFERENCE TYPE AND REFERENCE INFO detail. For SOFA, SURVEILLANCE (RAMP INSPECTION) OF FOREIGN AIRCRAFT , REFERENCE TYPE will be AIC and REFERENCE INFO will be 05/2009 For Ramp inspection of Indian aircraft, REFERENCE TYPE will be GM and REFERENCE INFO will be CAP8500	Master Driven, system populated values for reference type. Data entry user will have to enter respective reference info as per selected reference type value. For detailed validation about this section, please refer SRS section SED2.1/10.1 – 2.1a and 2.2b
SED2.1 – DE 2.2		CONSOLIDATION OF REFERENCE NO.	It will have REFERENCE NO. OF SURVEILLANCE ACTIVITY, AREA/CATEGORY OF SURVEILLANCE ACTIVITY and CONSOLIDATED REFERENCE NO. OF SURVEILLANCE ACTIVITY detail. CONSOLIDATED REFERENCE NO. for the Surveillance (Ramp	For more details and field validations about this section, please refer SRS section SED2.1/10.1 – 2.2a and 2.2b and 2.2c.



ID	REFEREN CE CAR / AIC / PR. MANUAL	PARTICULARS	DETAIL	Remarks
			Inspection) of foreign aircraft will be AIC/05/2009/RAMP . CONSOLIDATED REFERENCE NO. For the Ramp Inspection of Indian aircraft will be GM/CAP8500/RAMP .	
SED2.1 – DE 3		SHORT TITLE OF THE SOFA/RAMP INSPECTION MODULE	It will have NAME OF SOFA/RAMP INSPECTION ACTIVITY and Sub Area/Type Of Surveillance Activity detail. For SOFA, SURVEILLANCE(RAMP INSPECTION) OF FOREIGN AIRCRAFT, Name : SURVEILLANCE(RAMP INSPECTION) OF FOREIGN AIRCRAFT and Area/Category Of Surveillance Activity : RAMP Should be auto populated. For the Ramp Inspection of Indian aircraft, Name : RAMP INSPECTION OF INDIAN AIRCRAFT and Area/Category Of Surveillance Activity : RAMP should be auto populated	For more details and field validations about this section, please refer SRS section SED2.1/10.1 – 3a and 3b .
SED2.1 – DE 3.1		TIME ASSIGNED TO COMPLETE THE	Data entry in this sub section will be disabled for SOFA/Ramp Inspection activity.	Data entry in this sub section will be disabled for SOFA/Ramp Inspection activity.



ID	REFEREN CE CAR / AIC / PR. MANUAL	PARTICULARS	DETAIL	Remarks
		SOFA/RAMP INSPECTION		
SED2.1 – DE 3.2		ADMINISTRAT OR DETAILS	This sub section will have NAME OF THE DIRECTORATE, NAME OF THE ADMINISTRATOR and DESIGNATION OF THE ADMINISTRATOR details.	For more details and field validations about this section, please refer SRS section SED2.1/10.1 – 3.2 For SOFA, SURVEILLANCE(RAMP INSPECTION) OF FOREIGN AIRCRAFT, FSD will be the Administrator.
SED2.1 – DE 3.3		APPLICABILITY DETAILS	This sub section will have APPLICABILITY AREA, APPLICABILITY CATEGORY, APPLICABILITY SUB CATEGORY and SOFA/RAMP INSPECTION AUDITEE LIST AS PER SELECTED APPLICABILITY DETAILS details.	For more details and field validations about this section, please refer SRS section SED2.1/10.1 – 3.3 For SOFA, SURVEILLANCE(RAMP INSPECTION) OF FOREIGN AIRCRAFT, Applicability Area : Operator Applicability Category : Foreign Operator. Applicability Sub Category : Respective Foreign Aircraft for which Ramp inspection to be planned.
SED2.1 – DE 3.4		CHECKLISTS	This sub section will have checklist details along with respective checklist form for the mentioned surveillance activity. It will have S.N., CHECKLIST ID, and REFERENCE NO. (Of the SOFA/Ramp Inspection Activity), STANDARD REFERENCE NO. (Of	For more details and field validations about this section, please refer SRS section SED2.1/10.1 – 3.4 For Surveillance (Ramp Inspection) of foreign aircraft, Appendix 5 mentioned in Ramp Inspection Manual –



ID	REFEREN CE CAR / AIC / PR. MANUAL	PARTICULARS	DETAIL	Remarks
			the auditee), CHECKLIST FORM details.	CAP 8500 will be used as checklist.
SED2.1 – DE 3.5		REFERENCES DETAILS	This sub section will have REFERENCE TYPE, REFERENCE NO., ADD REFERENCES and DOCUMENT REFERENCE GRID field details.	For more details and field validations about this section, please refer SRS section SED2.1/10.1 – 3.5
SED2.1 – DE 3.5.1		ADD REFERENCES	This sub sub section will have a provision to add reference document details. It will have provision to enter DOC ID and TITLE details.	For more details and field validations about this section, please refer SRS section SED2.1/10.1 – 3.5.1
SED2.1 – DE 3.6		SUGGESTED FINDINGS	<p>This sub section will have provision to add master Maintained pre-defined findings for the specific SOFA/Ramp Inspection Activity having associated Unique Id with each suggested Finding.</p> <p>It will have SF_ID (Suggested Finding Id), ITEM CODE (for suggested finding), FINDING CATEGORY (Level 1, Level 2), STANDARD REFERENCE NO (of the auditee) and FINDING DESCRIPTION details.</p>	For more details and field validations about this section, please refer SRS section SED2.1/10.1 – 3.5.6



5. PROCESS

PROCESS	<p>Specific Admin/User (Module owner) of DGCA login to the eGCA portal, access the section of Surveillance and Enforcement division for SOFA/Ramp Inspection Module Creation (Pre Planning) and enters the relevant details for creating the SOFA/Ramp Inspection Module for SURVEILLANCE (RAMP INSPECTION) of Foreign Aircraft.</p> <p>After submission of Furnished information a success message will be generated by system for creation of module id, module id will be flashed on screen, which would form the basis of planning of SOFA/Ramp Inspection module. The module id will land in inbox (respective "MODULE DETAILS INDEX") of Module Owner with current stage as "PLANNING" and current status as "UNPLANNED". An email will be sent to Administrator of Surveillance Activity, Specific admin/user (Module Owner) of the respective Directorate so that they can start planning for this module.</p>
VERIFIER	System Driven data redundancy check and verification of correctness of the furnished information.
APPROVER	NA



6. INTERDEPENDENCIES

SERVICE	INFORMATION RECEIVED FROM OTHER DIRECTORATE(S) / EXTERNAL STAKEHOLDER(S)		
	INFORMATION RECEIVED	EXTERNAL STAKEHOLDER(S)	INTERNAL STAKEHOLDER
SED2.1 - SOFA/Ramp Inspection Module Creation (Pre Planning) for Surveillance (Ramp Inspection) of foreign aircraft.	Reference Documents (AMM, Ops manual, MEL etc.) of Operator/aircraft.	Auditee (Operator, Aircraft, Directorates).	All Directorates
	Module Owner of respective Surveillance Activity		FSD
	Administrator Of the Respective Surveillance Activity	Auditee (Operator – Foreign Aircraft)	FSD
	Checklist For Surveillance (Ramp Inspection) of foreign Aircraft.	SOFA/Ramp Inspection auditee (Operator, Aircraft, Directorates).	SOFA/Ramp Inspection Officers/Inspectors, Module Owner and Administrator of the Surveillance (Ramp Inspection) Of Foreign Aircraft.
	SOFA/Ramp Inspection auditee details (Operator – Foreign Aircraft) (Master Maintained)		SOFA/Ramp Inspection Officers/Inspectors, Module Owner and Administrator of the Surveillance (Ramp Inspection) Of Foreign Aircraft.



7. OUTPUT

Module Id For SOFA/Ramp Inspection Module.	<ol style="list-style-type: none"> 1. A success message will be generated for creation of SOFA/Ramp Inspection module id for SURVEILLANCE(RAMP INSPECTION) OF FOREIGN AIRCRAFT. 2. Module id should be flashed as per format given by DGCA, ie; <Directorate/Office Name>-><Abbreviation Of Reference Type>/<Consolidated Reference Number></><SYSTEM GENERATED SEQUENCE NUMBER> Example : FSD-AIC/05/2009/RAMP/2016 For Ramp Inspection of Indian aircraft module id will be FSD-GM/CAP8500/RAMP/2016 3. Module owner of respective Directorate/Offices will get module details on Dashboard in their respective "MODULE DETAILS INDEX" with current stage as "PLANNING" and current status as "UNPLANNED". <p>An email will be sent to Administrator of Surveillance Activity, Specific admin/user (Module Owner) of the respective Directorate so that they can start planning for this module.</p>
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8. SPECIFIC SOFTWARE FEATURES

FEATURE ID	VII. SPECIFIC SOFTWARE FEATURES – DIFFERENTIATE BUSINESS RULES, PROCESS AND FEATURE	CROSS REFERENCE SECTION (IF ANY)
SED 2.1 / SF 1	<p>SOFA/Ramp Inspection plan submission of planned activity: All Directorate/ offices must submit Their Planned Annual Surveillance plan for next year before the end of year (Latest by 15th November). SOFA/Ramp Inspection Surveillance plan Submission process should be automatically initiated by the system. This system driven activity will be executed based on indicators as Trigger Date (30 days before the Final Submission Date), Warning Date (10 days and 3 days respectively before Final ASP Submission Date) and Final Submission Date (All Directorates/Offices should submit their respective SOFA/Ramp Inspection Surveillance plan on or before this date).</p> <ol style="list-style-type: none"> 1.Trigger Date(Initiation date): 2. Warning Date. 3. Final ASP submission Date. 	PM : Surveillance Procedure Manual, Chapter 2, Para 2.2
SED 2.1 / SF 2	<p>Reference Details(Reference Type) Of Surveillance Activity : In reference detail, Module owner has to select reference type as per respective surveillance activity. Reference type could be :</p> <ol style="list-style-type: none"> 1.CAR- CIVIL AVIATION REQUIREMENTS, 2. RULES- AIRCRAFT RULES 1937 3.AMC - ACCEPTED MEANS OF COMPLIANCE, 4. PM- PROCEDURE MANUAL 5. GM- GUIDANCE MATERIAL 6. AC- ADVISORY CIRCULAR 7. AIC – AERONAUTICAL INFORMATION CIRCULAR 8. OTHERS 	SED2.1 – DE 2.1



FEATURE ID	VII. SPECIFIC SOFTWARE FEATURES – DIFFERENTIATE BUSINESS RULES, PROCESS AND FEATURE	CROSS REFERENCE SECTION (IF ANY)														
SED 2.1 / SF 3	<p>Reference Details(Reference Info) Of Surveillance Activity : Each reference type should have reference details based upon the type Reference selected, below are the reference details associated with each reference type:</p> <table border="1" data-bbox="349 535 1052 1096"> <thead> <tr> <th>Reference Type</th> <th>Reference Details</th> </tr> </thead> <tbody> <tr> <td>CAR</td> <td>CAR NO,SECTION,SERIES,PART,PARA,SUB PARA,SUB SUBPARA, SUB SUB SUB PARA prefixed by C Example : C/145/3/A/II</td> </tr> <tr> <td>RULES</td> <td>PART,RULE NO,SUB RULE NUMBER,SUB SUB RULE NUMBER,SUB SUB SUB RULE NUMBER prefixed by R Example : R/IX/67</td> </tr> <tr> <td>AMC</td> <td></td> </tr> <tr> <td>PM</td> <td>Name Of Procedure Manual, Chapter No., Para No. Example : SPM/3/3.2</td> </tr> <tr> <td>GM</td> <td>GM reference prefixed by GM</td> </tr> <tr> <td>AC</td> <td>AC Reference No. prefixed by AC Example : AC/AAC No 2 of 2011</td> </tr> </tbody> </table>	Reference Type	Reference Details	CAR	CAR NO,SECTION,SERIES,PART,PARA,SUB PARA,SUB SUBPARA, SUB SUB SUB PARA prefixed by C Example : C/145/3/A/II	RULES	PART,RULE NO,SUB RULE NUMBER,SUB SUB RULE NUMBER,SUB SUB SUB RULE NUMBER prefixed by R Example : R/IX/67	AMC		PM	Name Of Procedure Manual, Chapter No., Para No. Example : SPM/3/3.2	GM	GM reference prefixed by GM	AC	AC Reference No. prefixed by AC Example : AC/AAC No 2 of 2011	SED2.1 – DE 2.2
Reference Type	Reference Details															
CAR	CAR NO,SECTION,SERIES,PART,PARA,SUB PARA,SUB SUBPARA, SUB SUB SUB PARA prefixed by C Example : C/145/3/A/II															
RULES	PART,RULE NO,SUB RULE NUMBER,SUB SUB RULE NUMBER,SUB SUB SUB RULE NUMBER prefixed by R Example : R/IX/67															
AMC																
PM	Name Of Procedure Manual, Chapter No., Para No. Example : SPM/3/3.2															
GM	GM reference prefixed by GM															
AC	AC Reference No. prefixed by AC Example : AC/AAC No 2 of 2011															
SED 2.1 / SF 4	<p>There should be a provision to capture TIME ASSIGNED TO COMPLETE THE SOFA/RAMP INSPECTION having organization wise details about the time assigned to complete the SOFA/Ramp Inspection. Categories are as mentioned below :</p> <ol style="list-style-type: none"> LARGE ORGANIZATION MEDIUM SIZE ORGANIZATION SMALL ORGANIZATION. <p>*Data entry in this sub section will be disabled for SOFA/Ramp Inspection activity.</p>	SED2.1 – DE 3.1														
SED 2.1 / SF 5	<p>Administrator Details : A provision to capture Administrative Directorate Details for the respective Surveillance Activity should be provided. It should have name of Administrative Directorate, Name of the Administrator, and Designation of Administrative Directorate/Nodal Officer of the said surveillance activity who will be the SPOC for Organizing, coordinating and Monitoring the SOFA/Ramp Inspection Activity.</p>	SED2.1 – DE 3.2														
SED 2.1 / SF 6	<p>Applicability Details : There should have a provision to capture Applicability details with details of first line applicability, second line applicability and third line applicability of organization/Operator/Aircraft for which mentioned surveillance activity has to be performed.</p>	SED2.1 – DE 3.3														



FEATURE ID	VII. SPECIFIC SOFTWARE FEATURES – DIFFERENTIATE BUSINESS RULES, PROCESS AND FEATURE	CROSS REFERENCE SECTION (IF ANY)
	<p>During SOFA/Ramp Inspection module creation stage, user can select more than one SOFA/Ramp Inspection auditee for which Surveillance Activity needs to be planned. During Planning stage, Data entry Operator will have an option to choose all or some of the SOFA/Ramp Inspection auditee from the selected Applicability details during Pre Planning/SOFA/Ramp Inspection module creation stage.</p>	
SED 2.1 / SF 7	<p>Checklists : There should have a provision to have checklist details along with respective checklist form for the mentioned surveillance activity. The referenced checklist should be auto populated by the system in the grid based upon the two filters :</p> <ul style="list-style-type: none"> a) Reference No. of the Surveillance Activity. Please refer SRS section SED 1.1 / SF 2 and SED 1.1 / SF 3 b) Standard Reference No. Of the SOFA/Ramp Inspection auditee selected in the Applicability Details as mentioned in SRS section SED 1.1 / SF 7. 	SED2.1 – DE 3.4
SED 2.1 / SF 8	<p>References Details : There should have a provision to capture References (Documents, Manuals, Others) details Of the SOFA/Ramp Inspection auditee, selected in the Applicability Details (SRS section SED 1.1 / SF 7). Data Entry User should have an option to upload the reference document of the SOFA/Ramp Inspection auditee selected in Applicability Details. Filters to find the Reference document should be Standard reference Number and SOFA/Ramp Inspection auditee id (example Organization Id.). Data Entry Operator can upload all or only relevant documents of SOFA/Ramp Inspection auditee. The format of reference no.(Document Id) Should be : <SOFA/Ramp Inspection auditee_Id>_<Document Name> Example : xy001_MEL</p>	SED2.1 – DE 3.5
SED 2.1 / SF 9	<p>Suggested Findings : There should be a provision to capture details of suggested findings for mentioned surveillance activity performed for the type of SOFA/Ramp Inspection auditee selected in Applicability Details. (SRS section SED 2.1 / SF 7). Up to 10 suggested findings could come in the grid. Data Entry Operator should have an option to upload the desired suggested finding. The filters to choose desired suggested findings should be Item code(Master Maintained), Reference Number of The Surveillance Activity (Software Feature SED2.1/SF 2 and SED2.1/SF 3) Standard reference Number of the SOFA/Ramp Inspection auditee (Master Maintained) selected in the Applicability Details(Business Rule SED2.1/3.5.7). The format of Suggested Findings should be : SF-><OP/OG/AC><-><CATEGORY OF OP/OG/AC><ITEM_CODE><SYSTEM GENERATED SEQUENCE NUMBER> For Example : SF-OP_SOP_GC001</p>	SED2.1 – DE 3.6



FEATURE ID	VII. SPECIFIC SOFTWARE FEATURES – DIFFERENTIATE BUSINESS RULES, PROCESS AND FEATURE	CROSS REFERENCE SECTION (IF ANY)
	OP: Operator SOP: Scheduled Operator.	
SED 2.1/SF 10	Inappropriately filled fields to provide pop up immediately. If there is any duplication of record or any mandatory field is not entered then appropriate error message with respect to each field should be displayed on click of submit button.	
SED 2.1/SF 11	All Generic field level validations and GUI layout features has to be incorporated accordingly.	



9. GENERAL COMMENTS

COMMENT ID	GENERAL COMMENTS
GC 1	
GC 2	

10. APPENDIX

10.1. DATA ELEMENT FIELD LEVEL VALIDATION

DATA ELEMENT: SOFA/RAMP INSPECTION MODULE CREATION (SOFA)

*All fields will be captured in sequential flow manner. Next section data entry will be enable only after all mandatory data has been entered in previous section.

S. No.	Data Field	Type	Mandatory	Permissible Characters/Default Value	Business Rules/ Validations
1.	Module Owner	Section Name			
a.	Name of Directorate	Dropdown	Yes	ASD,AW,AS,FSD,SE D,MED,DTL,AED,DRI ,ATD,ANS,DAF,TRD, STD	<ol style="list-style-type: none"> 1. Master Driven Values For Name Of Directorate. 2. The System should auto populate respective Directorate Name as per Login credentials. 3. All Directorate of headquarters should be populated along with Region/Sub Region Offices should also come in dropdown.
2.	SOFA/Ramp Inspection Activity Reference	Section Name			
a.	Name Of Inspection Activity	Dropdown	Yes	SOFA(Ramp Inspection) of foreign aircraft, Ramp Inspection of Indian aircraft.	<ol style="list-style-type: none"> 1. Master Driven Values for Name Of surveillance activity,populated from list data saved in database.
2.1.	SOFA/Ramp Inspection Reference Details	Sub Section Name			
a.	Reference Type	Dropdown	Yes	CAR, RULES, AMC,GM,PM, AC,AIC, Others	Master Driven Values for reference type. Data entry user will have to enter respective reference info as per selected dropdown value. Please Refer SRS section



S. No.	Data Field	Type	Mandatory	Permissible Characters/Default Value	Business Rules/ Validations
					SED1.1/SF2 and SED1.1/SF3 for more details.
b.	Reference Info	Text boxes	No	Please visit SRS section SED1.1/SF2 and SED1.1/SF3 for more details for more details.	Each reference type should have reference info based upon the type of Reference selected, For reference details associated with each reference type please visit SRS section SED1.1/SF2 and SED1.1/SF3 for more details.
2.2.	Consolidation Of Reference No.	Sub Section			This sub section will give System Populated Consolidated Reference No. Of the respective Surveillance Activity
a.	Reference No. Of Surveillance Activity	Label	No	System Populated Reference detail values in text boxes having values entered in Reference Details section, separated by “/”. For Example : C/145/A/2/III	<ol style="list-style-type: none"> The values displayed in respective text boxes should be exactly same as entered in Reference details section Each text boxes should be separated by “/” from each other.
b.	Area/Category Of Surveillance Activity	Dropdown	Yes	For Surveillance (Ramp Inspection) of foreign aircraft Class/Sub Area of Surveillance Activity should be RAMP . RAMP stands for “RAMP INSPECTION”	
c.	Consolidated Reference No. Of Surveillance Activity	Non Editable Text Box	Yes	<Reference No. Of Surveillance Activity>/< Sub Area/Type Of Surveillance Activity>	System Populated Value combining values of Reference No. Of Surveillance Activity and Sub Area/Type Of Surveillance Activity separated by “/”. For Example if data item in Reference No. Of Surveillance Activity is AIC/05/2009 and data Item selected in Sub Area/Type Of Surveillance Activity is RAMP then

S. No.	Data Field	Type	Mandatory	Permissible Characters/Default Value	Business Rules/ Validations
					Consolidated Reference No. Of Ramp Inspection will be AIC/05/2009 /RAMP.
3.	Short Title Of The SOFA/Ramp Inspection Module	Section Name			
a.	Name of SOFA/Ramp Inspection Activity	Non Editable Text Box	Yes	Name Of Surveillance Activity selected in Area Of Surveillance/Surveillance Activity. Please refer Data Elements section 2a.	System Populated value populated from section SOFA/Ramp Inspection Activity reference. Please Refer data Elements section 2 for more details.
b.	Sub Area/Type Of Surveillance Activity	Non Editable Text Box	Yes	Data Value selected in sub section 2.2 Consolidation Of Reference No in field: Sub Area/Type Of Surveillance Activity.	System Populated value populated from sub section Consolidation Of Reference No. Please Refer data Elements section 2.2b for more details.
3.1	Time Assigned To Complete The SOFA/Ramp Inspection	Sub Section Name		Will be disabled for SOFA/Ramp Inspection activity.	This sub section will have Organization wise Details related to total time assigned to complete the SOFA/Ramp Inspection Activity. *data entry in this sub section will be disabled for SOFA/Ramp Inspection activity.
a	Large Organization	Dropdown	Yes	3, 6, 12, 24, 27, 30, 36, Select No. Of Months	System Driven Value Populated from Master maintained Data.
b	Medium Size Organization	Dropdown	Yes	3, 6, 12, 24, 27, 30, 36, Select No. Of Months	System Driven Value Populated from Master maintained Data.
c	Small Organization	Dropdown	Yes	3, 6, 12, 24, 27, 30, 36, Select No. Of Months	System Driven Value Populated from Master maintained Data.
3.2	Administrator Details	Sub Section Name			This sub section will have administrative directorate details of respective surveillance activity. It will have name, designation of

S. No.	Data Field	Type	Mandatory	Permissible Characters/Default Value	Business Rules/ Validations
					Administrative Directorate/Nodal Officer of the said surveillance activity who will be SPOC for Organizing, coordinating and Monitoring the SOFA/Ramp Inspection Activity.
a.	Name Of the Directorate	Dropdown	Yes	Refer Data Element section 1.a	Refer Data Element section 1.a. Dropdown should have a value "NA". If "NA" is selected then data entry for sub section 3.2.b and 3.2.c will be disabled.
b.	Name Of The Administrator	Text Box and Search Button	Yes	Varchar	Suggested by system as per user input based upon initial entered characters. Populated from Master data Maintained in the database. All validations for name as per master maintained user data is applicable. User can search and select required person/user name.
c.	Designation Of the Administrator	Non Editable Text Box	Yes	VarChar	System Populated Value of Designation as per name of the Administrator selected in data element section 3.2.b. Populated from master data maintained in database.
3.3	Applicability Details	Sub Section Name			Please refer SRS section SED1.1/SF7 for Details about Applicability Details
a.	Select Applicability Area	Dropdown	Yes	Organization, Operator, Aircraft, Directorate, Others, All	Dropdown Values Populated from Master Maintained list maintained in database.
a.1	Applicability Category	Sub Sub Section Name			Sub Section To select Category Of SOFA/Ramp Inspection auditee based upon the Applicability Area selected in sub section 3.3.a.
a.1.1	Select Applicability Category	Dropdown	Yes	Values Populated From Master List maintained in data base based upon type of SOFA/Ramp	1. Only Applicable Category Of Respective SOFA/Ramp Inspection auditee based upon the Applicability

S. No.	Data Field	Type	Mandatory	Permissible Characters/Default Value	Business Rules/ Validations
				Inspection auditee selected in Applicability Area Selection Field.	Area selected will populate in dropdown. 2. If Applicability Area Is Directorate then This Field will be disabled for data entry.
a.1.2.	Select Applicability Sub Category	Dropdown	Yes	Values Populated From Master List maintained in data base based upon Type of SOFA/Ramp Inspection auditee(Applicability Area) and Applicability Category selected	1. Only Applicable sub Category Of Respective SOFA/Ramp Inspection auditee based upon the Applicability Area and Applicability Category selected will be populated in dropdown. 2. If Applicability Area Is Directorate then This Field will be disabled for data entry.
b.	Get Details	Button	Yes		By Clicking on this button All SOFA/Ramp Inspection auditees Details as Per Search Criteria entered in Applicability Area, Applicability Category and Applicability Sub Category will be displayed in the grid in sub section SOFA/Ramp Inspection auditee List Under Selected Category.
c	SOFA/Ramp Inspection auditee List As Per Selected Applicability Details	Sub Sub Section Name			1. This sub section should have a system populated SOFA/Ramp Inspection auditees Details as Per Search Criteria entered in Applicability Area, Applicability Category and Applicability Sub Category . 2. Fields of SOFA/Ramp Inspection auditee Details should be auto populated by system from Master data maintained in Database. 3. User should have an option to select all or some of the SOFA/Ramp



S. No.	Data Field	Type	Mandatory	Permissible Characters/Default Value	Business Rules/ Validations
					<p>Inspection auditee and add them in to a grid.</p> <p>4. During Planning stage, Data entry Operator will have an option to choose all or some of the SOFA/Ramp Inspection auditee from the Added SOFA/Ramp Inspection auditee in Grid during Pre Planning/SOFA/Ramp Inspection module creation stage.</p>
3.4	Checklists	Sub Section Name			<p>This sub section will have checklist details along with respective checklist form for the mentioned surveillance activity. Following Fields will be displayed in the grid.</p>
a.	S.N.	Text Box	Yes	Numeric	System Driven Sequence No. Starting with Serial No. 1.
b.	Checklist Id	Non Editable Text Box	Yes	Alphanumeric	<p>System Populated value, Populated from Master Data of Checklist Maintained in Database.</p> <p>Format Of Checklist id Could Be :<Short Name Of Surveillance Activity><_><Category/Type Of Surveillance Activity><_><Applicability Area><_><Applicability Category><_><System Generated Sequence No.> Prefixed By "CH"</p> <p>For example : Checklist id For Checklist Used for Regulatory SOFA/Ramp Inspection of Scheduled Operator will be : CH-RA_COM_OP_SOP001</p>



S. No.	Data Field	Type	Mandatory	Permissible Characters/Default Value	Business Rules/ Validations
c	Reference No.	Non Editable Text Box	Yes	Alphanumeric	System Populated Value Of Consolidated Reference No. Of Surveillance Activity. Please Refer Data Element section 2.2c for More details.
d	Standard Reference No.	Non Editable Textbox	Yes	Alphanumeric	System Populated Reference no. Of SOFA/Ramp Inspection auditee as per civil aviation manuals (CAR, Rule, AMC, GM, AC, etc.).Populated from master data maintained in database for SOFA/Ramp Inspection auditee (Organization, Operator, Aircraft, Directorate). For Example : Format Of Standard Reference No. could be C/145/3/C/II
e	Checklist Form	Text Box	Yes	Link to Referenced Checklist Form/Template	<ol style="list-style-type: none"> 1. It will Have Link to template/Form of the checklist, required for performing the said surveillance activity. 2. This template/Form should be master maintained in database.
3.5	References Details	Sub Section Name			Please refer SRS section SED 1.1 / SF 9 for More Details regarding this sub section. It will Have following Details :
a	Reference Type	Non Editable Text Box	Yes	CAR/RULE/AMC/GM/AC/PM/Others	System Populated Value Populated from value entered in " SOFA/RAMP INSPECTION/ SURVEILLANCE ACTIVITY REFERENCE"->"REFERENCE DETAIL"->"REFERENCE TYPE".Refer data element section 2.1a
b.	Reference No.	Non Editable Text Box	Yes	Alphanumeric. Consolidated reference no. Populated from surveillance activity reference details.	System Populated Value, populated from sub section "Consolidation Of Reference No." Refer Data Element section 2.2c .



S. No.	Data Field	Type	Mandatory	Permissible Characters/Default Value	Business Rules/ Validations
c	Add References	Button	Yes		To add reference document Of SOFA/Ramp Inspection auditee specific to SOFA/Ramp Inspection activity. Sub Section “Add References” will be enabled by clicking this button. User can add more than one reference document by clicking this button.
3.5.1	Add References	Sub Sub Section			References details will be entered in this section. This sub section will have reference (Documents, Manuals, Others) details Of the SOFA/Ramp Inspection auditee selected in the sub section : Applicability Details. Refer sub section 3.3 of data element section. Following fields will be entered in this section.
a.	Doc Id	Text Box And Search Button	Yes	The format of reference no.(Document Id) Should be : <SOFA/Ramp Inspection auditee_Id>_<Document Name> Example : xy001_MEL	Name Suggested by system as per user input based upon initial entered characters. Populated from Master data Maintained in the database. All validations for Doc Id as per master maintained user data is applicable. User can search and select required Document. Please refer SRS section SED 1.1 / SF 9 for more details.
b.	Title	Non Editable Text Box	Yes	Var Char	System Populated Value for title of Referenced Document selected in data element section 3.5.1.a . Value Populated from Master Data of reference Document of SOFA/Ramp Inspection auditee, Maintained in database.
c	Add in the grid	Button	Y		On Clicking this button, Document Reference details entered in the data element



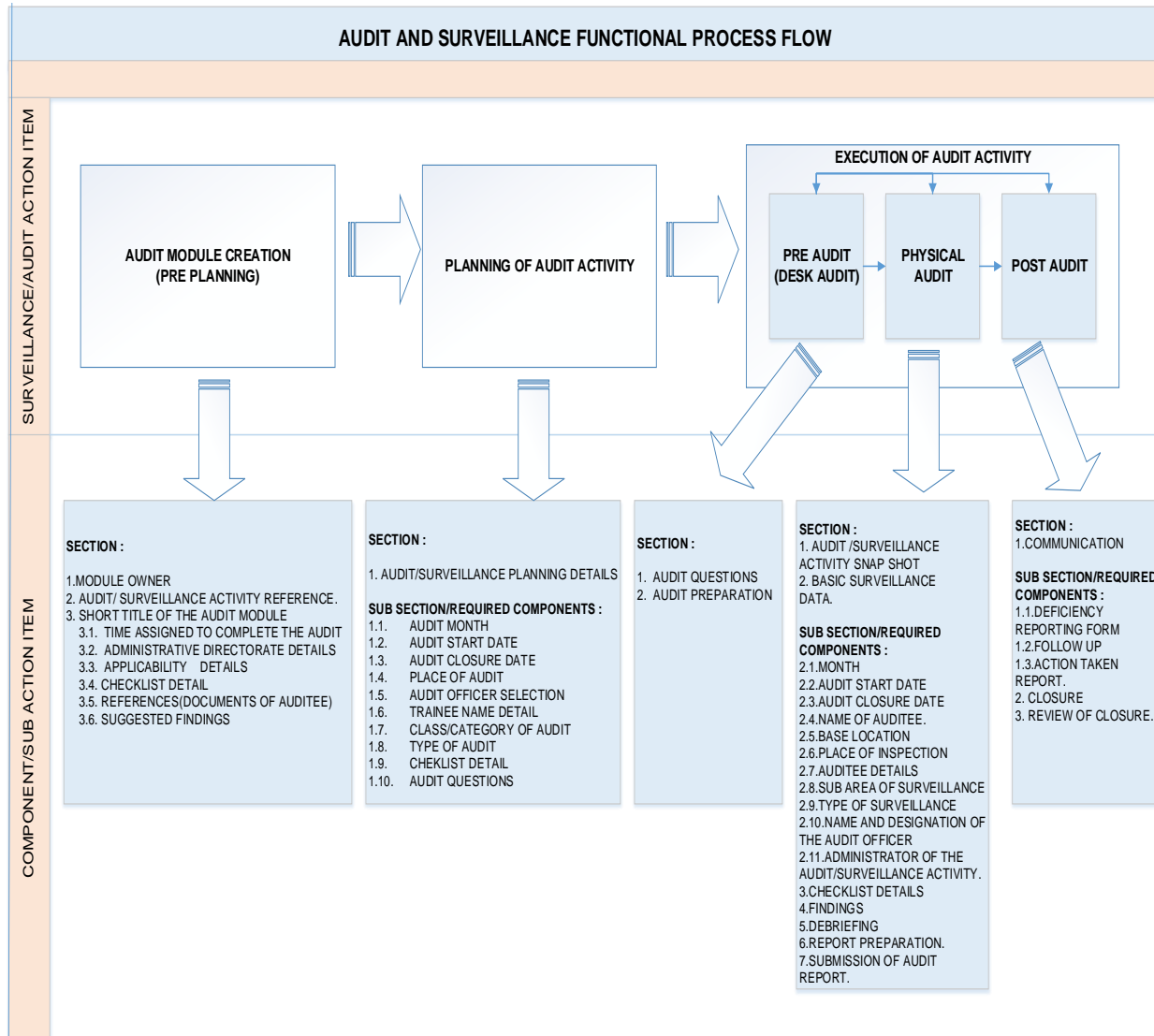
S. No.	Data Field	Type	Mandatory	Permissible Characters/Default Value	Business Rules/ Validations
					sub section 3.5.1. Will be added in the grid- “Document Reference Details” .
3.5.2	Document Reference Details	Table/Grid	Yes	S.N, Doc Id, Title	This grid/table will have sequence wise Non editable details of all referenced documents entered in data element sub section 3.5.1 . The referenced document will be tabulated in 3 fields : S.N.,Doc Id and Title
3.6	Suggested Findings	Sub Section Name			Please refer SRS section SED1.1/3.5.10 for details about this sub section. This sub section will have following details:
a.	SF_ID	Text Box And Search Button	Yes	The format of Suggested Findings should be : SF <-><OP/OG/AC><-><CATEGORY OF OP/OG/AC><ITEM_CODE><S.N.> For Example : SF-OP_SOP_GC001 OP: Operator SOP: Scheduled Operator.	Suggested Findings name, Suggested by system as per user input based upon initial entered characters. Populated from Master data for Suggested Findings, Maintained in the database. All validations for Suggested Findings as per master maintained user data is applicable. User can search and select required Suggested Finding. Please refer SRS section SED1.1/SF10 for more details.
b.	Add In the Grid	Button	Y		On clicking this button, suggested finding entered in the data element sub section 3.6.a. will be added in the grid- “Suggested Findings Details” .
c	Add More	Button	Yes		User has to click this button To add More than One suggested findings, specific to SOFA/Ramp Inspection activity. User can add more than one suggested finding (Master Maintained) by clicking this button.



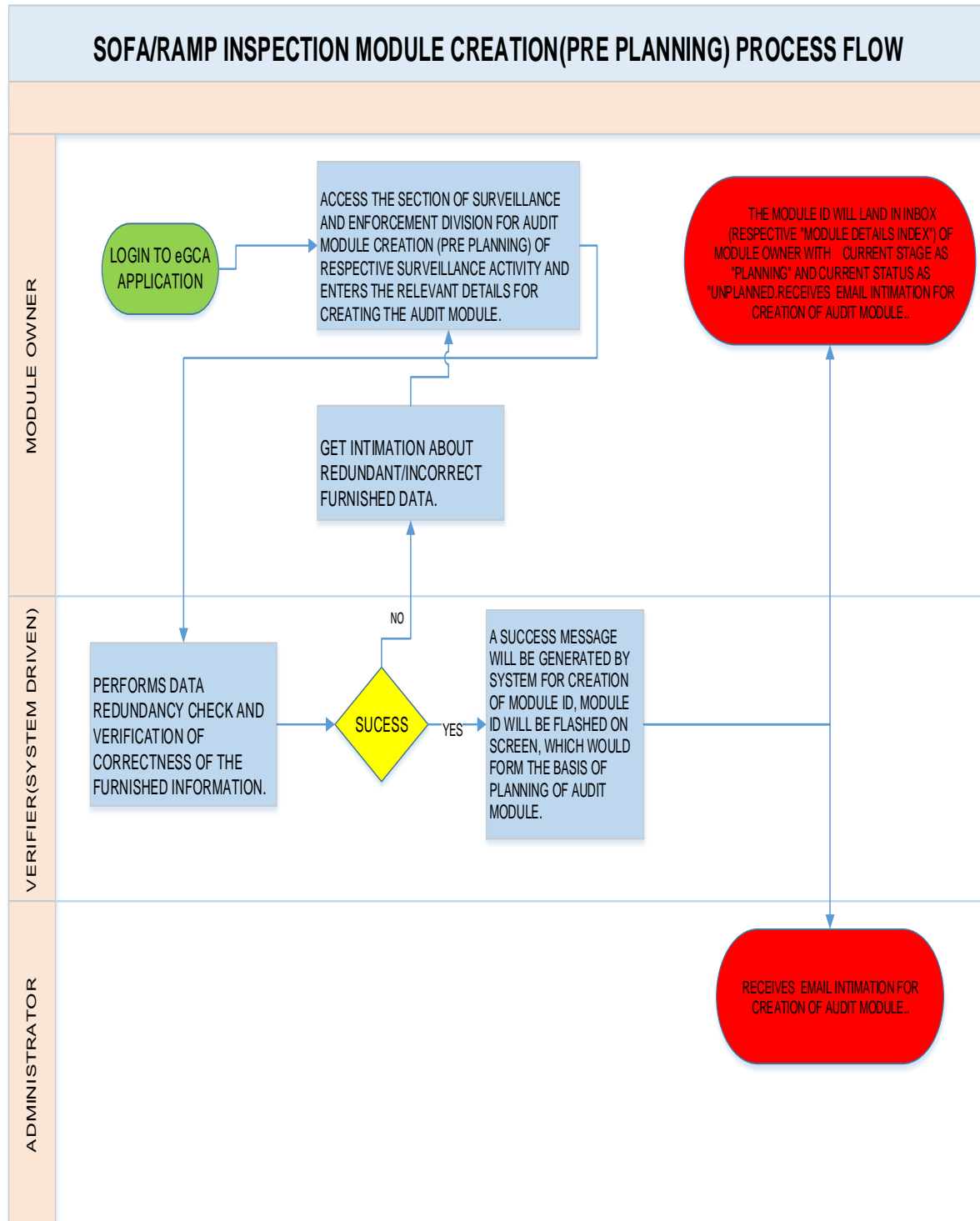
S. No.	Data Field	Type	Mandatory	Permissible Characters/Default Value	Business Rules/ Validations
					Up to 10 suggested findings could be added through application.
d	Suggested Finding Details	Table/Grid	Yes	S.N, SF ID, Item Code, Standard Reference No., Finding Description	This grid/table will have sequence wise Non editable details of all Suggested Findings entered in data element sub section 3.6.a . The referenced document will be tabulated in 5 fields: SF_ID (Suggested Finding Id), ITEM CODE (for suggested finding), FINDING CATEGORY (Level 1, Level 2), STANDARD REFERENCE NO (of the SOFA/Ramp Inspection auditee) and FINDING DESCRIPTION. All fields are fetched from Master maintained data of Suggested Finding. Up to 10 suggested findings could be populated in the grid.
4.	Save	Button	Yes		By clicking this button all entered data will get saved in draft folder.
5.	Submit	Button	Yes		Please refer SRS section SED1.1/7 –Output for functionality performed by application on clicking of Submit Button.

10.2.FUNCTIONAL OVERVIEW

Audit – Plan->execute->communicate -> assess->close->Analyze ->Focus->Enforce



10.3.PROCESS FLOW DIAGRAM





11. REVIEW HISTORY

DATE	REVIEWED BY	SECTION NUMBER	REVIEW FEEDBACK	ACTION TAKEN