

## Revision History

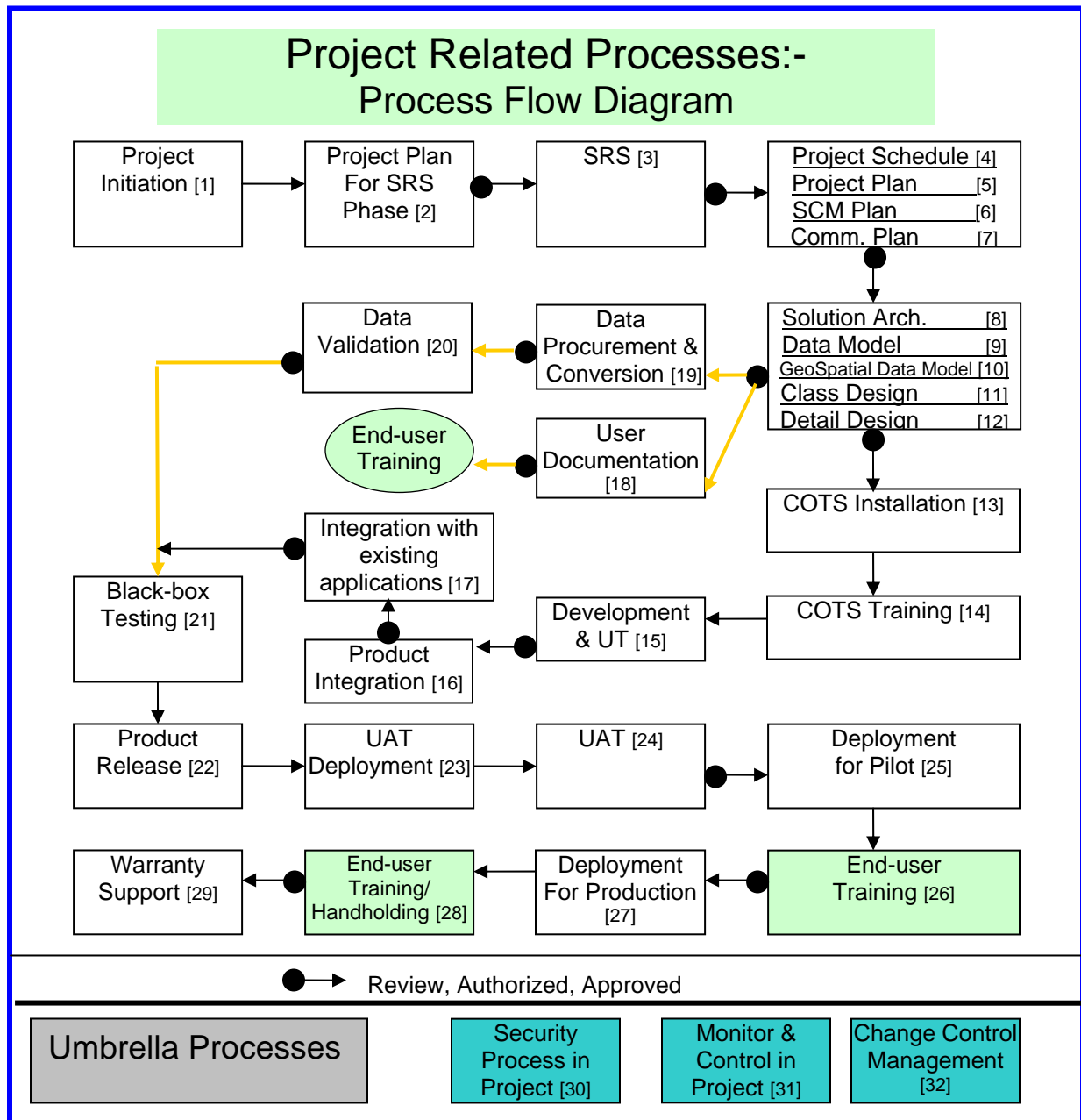
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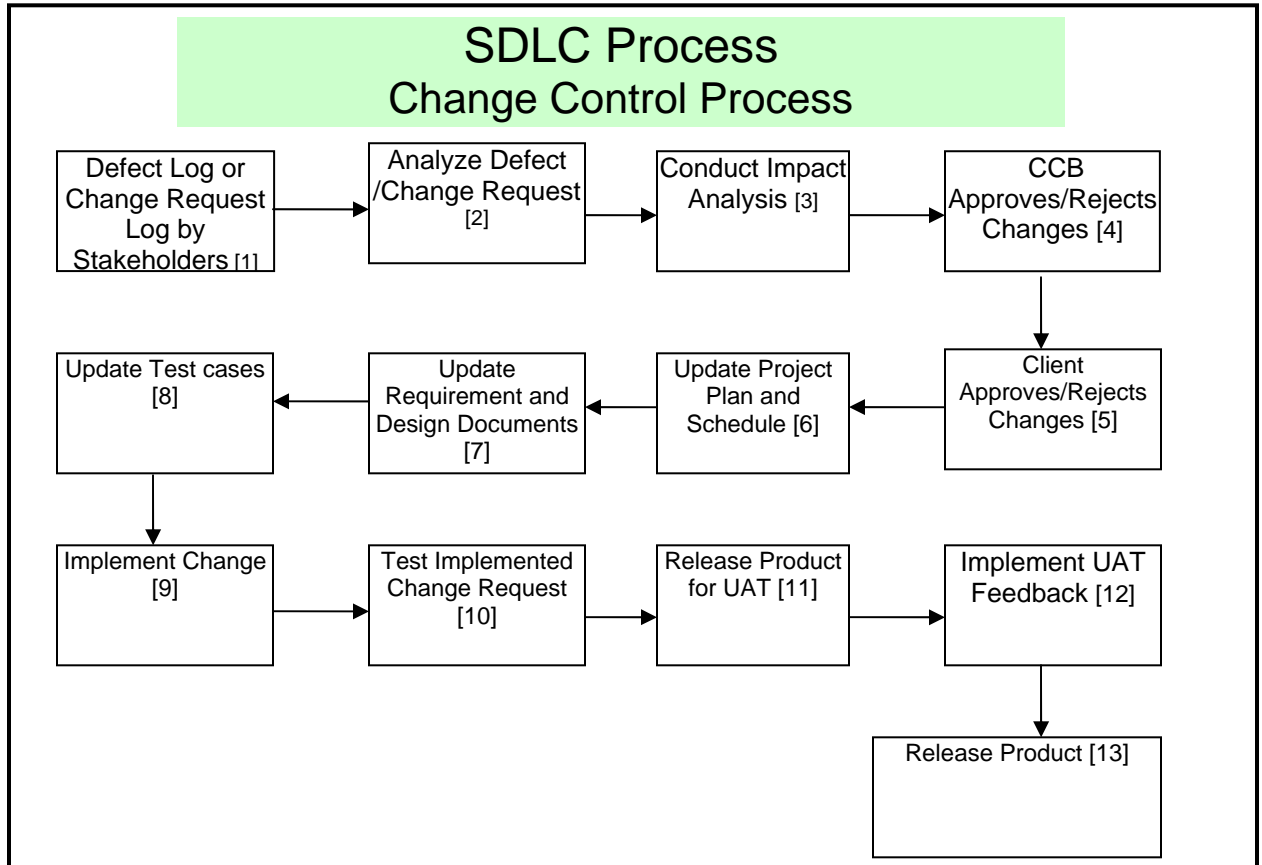
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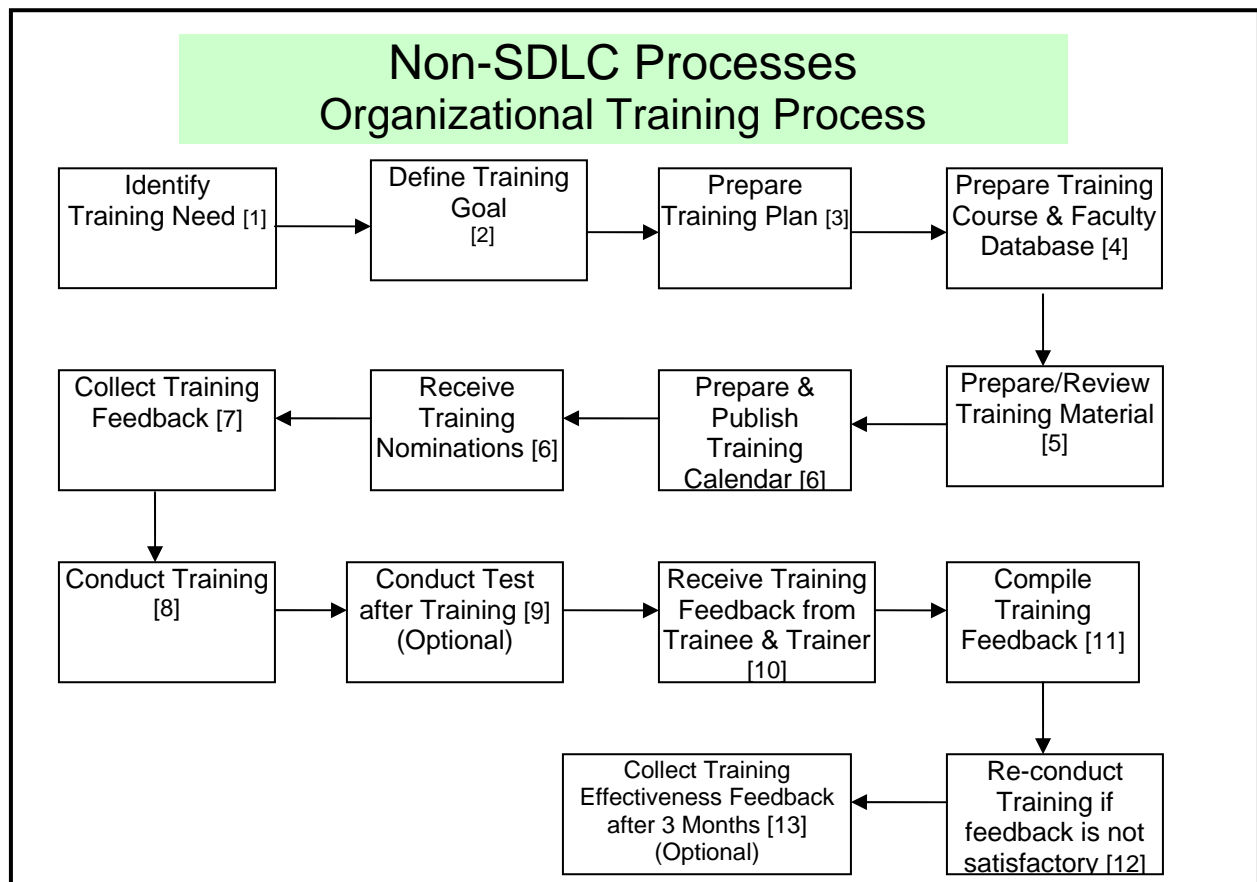
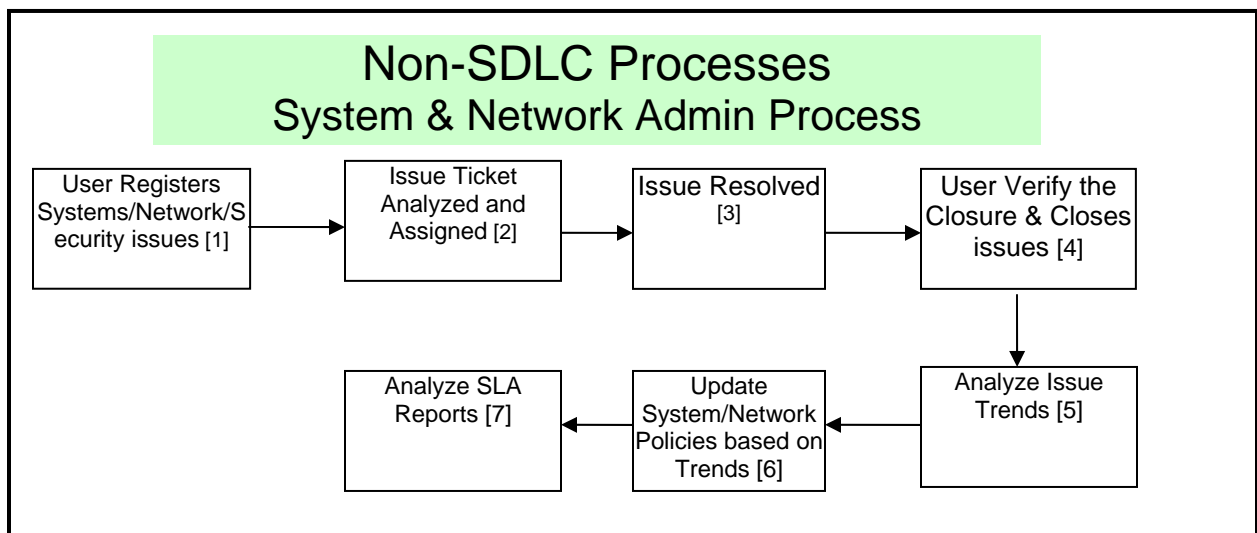
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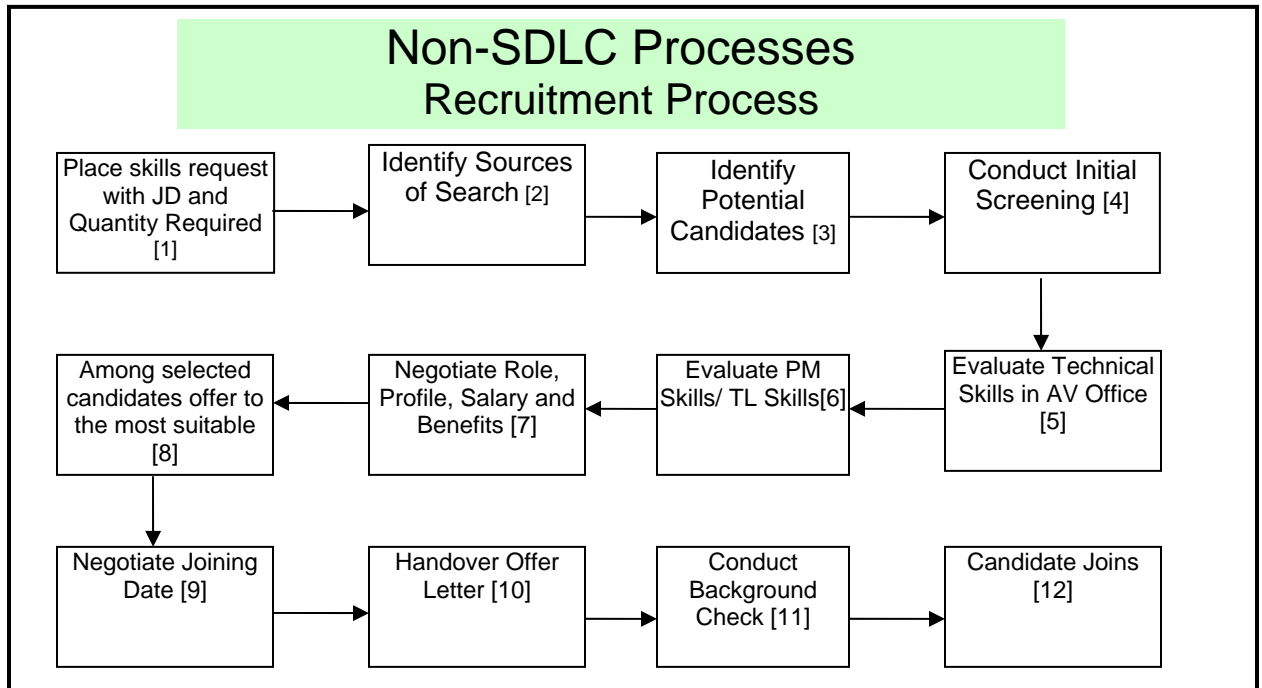
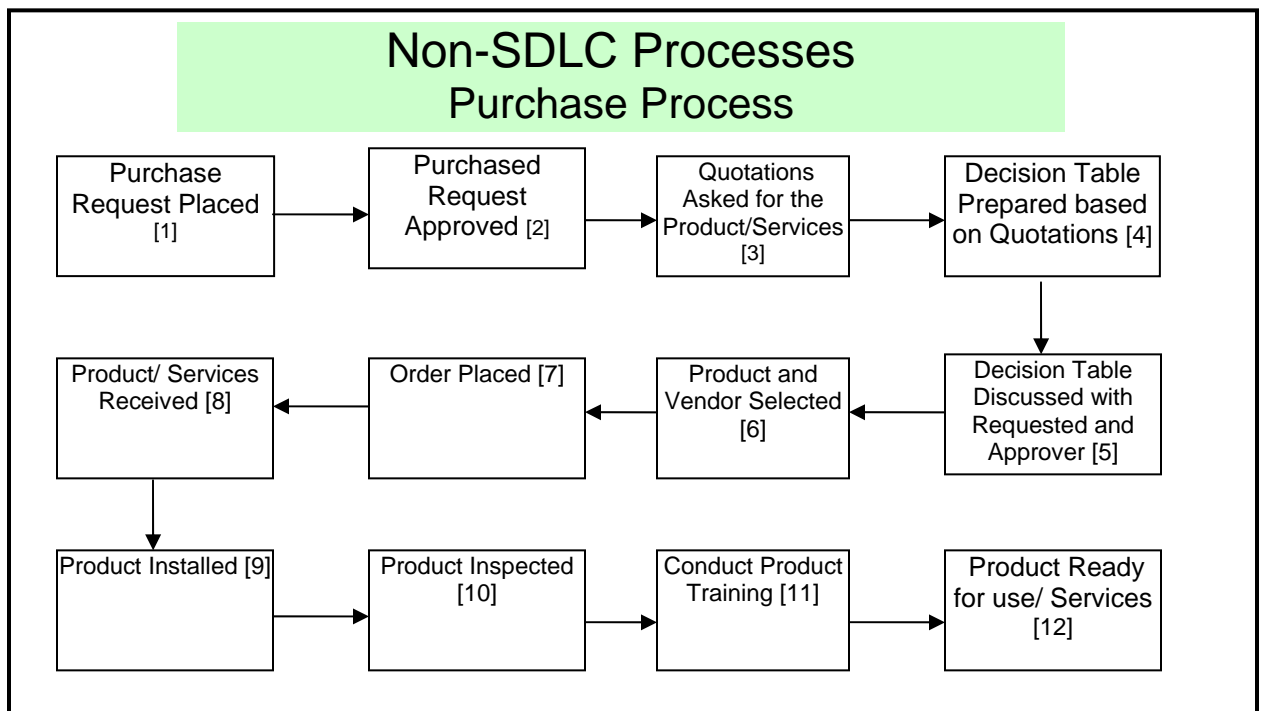
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## A. Process Overview Diagram: SDLC Processes



**B. Process Overview Diagram: Change Control Process**

**C. Process Overview Diagram: Organizational Training Process****D. Process Overview Diagram: System & Network Admin Process**

**E. Process Overview Diagram: Recruitment Process****F. Process Overview Diagram: Purchase Process**

## G. Abbreviations

- TM- Team Member
- PSM- Project Software Manager
- TL- Technical Lead
- CM- Configuration Manager
- CMP- Configuration Management Plan
- SPP- Software Project Plan
- STP- Software Test Plan
- SCCB- Software Change Control Board
- CI- Configuration Item

SCCB is comprised of PSM, Architect, Quality Engineers & Senior Management Representative. This board is authorized to evaluate change request and its impact, categorize the changes, accept or reject the changes.

Roles are mentioned in square brackets []

## H. Processes

1. Project Initiation	
<b>Purpose</b>	Identify the team members from Aurovision and MCGM side, Project briefing, sign project charter, assign roles & responsibilities to people, identify stakeholder & communication interfaces, discuss the project risk strategy
<b>Key Inputs</b>	<ul style="list-style-type: none"> <li>Contract</li> <li>Team</li> <li>QMS-Documents</li> </ul>
<b>Key Output</b>	<ul style="list-style-type: none"> <li>Project manager formally assigned to the project</li> <li>Project Team with roles and responsibilities assigned in place</li> <li>Project Team has understanding about the individual expectations and product of the project</li> <li>Resources are allocated to address the known risks</li> <li>List of stakeholders, end-user their functional department name</li> <li>Communications interfaces are established</li> <li>Signed project charter</li> </ul>
<b>Key Tasks with Role</b>	<ul style="list-style-type: none"> <li>Conduct Project Kickoff meeting [Delivery Head]</li> <li>Draft MoM and circulate to all relevant stakeholders [PSM]</li> </ul>

2. Project Planning for SRS	
<b>Purpose</b>	Prepare a feasible plan to carry out SRS phase
<b>Key Inputs</b>	<ul style="list-style-type: none"> <li>Contract</li> <li>Output of Project Initiation Phase</li> <li>Planning Tool</li> <li>QMS-Documents, Systems &amp; Guidelines</li> </ul>
<b>Key Output</b>	<ul style="list-style-type: none"> <li>Project plan for SRS phase</li> <li>Risk plan for SRS phase</li> <li>Approved Project Plan and Risk Plan</li> </ul>
<b>Key Tasks with Role</b>	<ul style="list-style-type: none"> <li>Prepare a WBS for SRS phase [BA/PSM]</li> <li>Identify requirement capturing technique based on the profile of user [BA/PSM]</li> <li>Identify type of questionnaire required [BA/PSM]</li> <li>Identify interviewees [BA/PSM]</li> <li>Prepare a project plan [PSM]</li> <li>Take approval of project plan and risk plan</li> </ul>

3. System Requirement & Specification (SRS)	
<b>Purpose</b>	Gather and document the complete functional & non-functional requirements of the system. SRS phase document will help in knowing best possible estimations to make a detail development plan
<b>Key Inputs</b>	<ul style="list-style-type: none"> <li>Output of Project Planning for SRS phase</li> <li>Output of Project Initiation phase</li> <li>Existing Legacy system</li> <li>Details of proposed system</li> <li>Integration requirements</li> <li>Artifacts</li> </ul>



	<ul style="list-style-type: none"> <li>Complains from Pilot run</li> <li>Source of available GIS data</li> <li>QMS-Documents, Systems &amp; Guidelines</li> </ul>
<b>Key Output</b>	<ul style="list-style-type: none"> <li>Functional Specifications</li> <li>SRS with NFR</li> <li>GUI Wireframe</li> <li>Use-case diagram</li> <li>RTM, RRM</li> <li>Request for Survey Tender</li> <li>GIS Data</li> <li>Approval of all above documents from authorized person</li> </ul>
<b>Key Tasks with Role</b>	<ul style="list-style-type: none"> <li>Identify stakeholders and users of the product [PSM/BA]</li> <li>Interview people as per the plan [BA &amp; Team]</li> <li>Circulate questionnaire as per the plan [BA &amp; Team]</li> <li>Study the artifacts and existing systems [BA &amp; Team]</li> <li>Collect feedback and analyze the requirements [BA &amp; Team]</li> <li>Categorize the requirements [BA]</li> <li>Document and analyze the need of integration with legacy systems and COTS systems requirement [BA]</li> <li>Prepares Functional Specification (FS) Document [BA &amp; Team]</li> <li>Prepare System Requirement and Specification (SRS) document [BA &amp; Team]</li> <li>Prepare Use case documents [BA &amp; Team]</li> <li>Prepare GUI-wireframe [BA &amp; GUI Team]</li> <li>Develop UI design [Visualizer]</li> <li>Develop Wire-frame [Web Designer]</li> <li>Send FS, SRS, Usecase, GUI Wireframe to authorized person for review and approval [PSM]</li> <li>Review &amp; Approve FS, SRS, Usecase, GUI-Wire-frame [Client]</li> <li>Baseline Requirement documents [PSM]</li> <li>Develop/Review RTM [PSM/BA]</li> <li>Develop/Review RRM [PSM/BA]</li> <li>Prepare survey tender [PSM]</li> </ul>

## 4. Project Planning

<b>Purpose</b>	Develop a complete project plan and estimates the size, schedule, efforts, resources. Develop a risk management plan
<b>Key Inputs</b>	<ul style="list-style-type: none"> <li>Contract</li> <li>Output of SRS Phase</li> <li>Output of Project Initiation Phase</li> <li>QMS-Documents, Systems &amp; Guidelines</li> </ul>
<b>Key Output</b>	<ul style="list-style-type: none"> <li>Software Project Plan (SPP)</li> <li>Estimates</li> <li>Milestones and release plan</li> <li>Project Schedule</li> <li>Risk Management Plan</li> <li>Configuration Management Plan</li> <li>Change Control Management Plan</li> <li>Approval of all above plans as per authorization capacity mentioned in charter</li> </ul>

<b>Key Tasks with Role</b>	<ul style="list-style-type: none"> <li>• Prepare a detailed WBS as per contract/proposal [TL/PM]</li> <li>• Review and Approve the Detail WBS as per contract [BA, PSM]</li> <li>• Estimate the efforts [TM]</li> <li>• Review, validate and finalized the efforts [TL/PSM]</li> <li>• Identify resources, skill and experience required for each WBS item [TL/PSM]</li> <li>• Get the list of activities to be done for the delivery of each WBS item [PSM]</li> <li>• Prepare the schedule [PSM]</li> <li>• Review the schedule plan [Program Manager]</li> <li>• Change the priority, milestones and scope of milestone to adjust the schedule, if required [Client/PSM]</li> <li>• Develop Software Project Plan (SPP) [PSM]</li> <li>• Review Project Schedule &amp; SPP [Process Team/Program Manager]</li> <li>• Review and Approve Project Schedule and SPP [Delivery Head]</li> <li>• Review and Approve Project Schedule and SPP [Client]</li> <li>• Allocate resource to project [Program Manager]</li> <li>• Assign resources to project schedule [Project Manager]</li> <li>• Baseline the Project Schedule, Efforts and SPP [Project Manager]</li> <li>• Publish the Project Schedule [Process Team]</li> </ul>
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## 5. Configuration Management (CM)

<b>Purpose</b>	Develop a configuration management plan, implement the plan and make sure that plan is implemented
<b>Key Inputs</b>	<ul style="list-style-type: none"> <li>• All kind of work product developed by Aurovision, supplied by client, executable, non-executable &amp; product/component purchased</li> <li>• Versioning strategy</li> <li>• Definition for CI and non-CI</li> <li>• Backup &amp; Archival Requirement</li> <li>• QMS-Documents, Systems &amp; Guidelines</li> </ul>
<b>Key Output</b>	<ul style="list-style-type: none"> <li>• Approved Directory Structure</li> <li>• Approved Naming Convention</li> <li>• Approved Backup/ Retrieval/ Archival/ Disaster Recovery Plan</li> <li>• Base-lining of CI</li> <li>• Implementation of CMP</li> <li>• Authorized access to project work products/documents</li> <li>• Baseline the project configuration plan</li> </ul>
<b>Key Tasks with Role</b>	<ul style="list-style-type: none"> <li>• Identification of project artifacts and source code [PSM]</li> <li>• Categorize the CI and Non-CI items [PSM]</li> <li>• Finalized location of repository and permission on various artifacts [PSM]</li> <li>• Create directory structure as per Aurovision QMS [PSM]</li> <li>• Communicate the backup/retrieval/archival/disaster recovery requirement to system support [PSM]</li> <li>• Backup of the project repository as per the plan [System Support]</li> <li>• Archival of repository as per the plan [System Support]</li> <li>• Surprise DR drill once in a month [PSM]</li> <li>• Surprise rollback request of source code/ project document/ executable code at test and UAT sever, once in a month [PSM]</li> <li>• Configuration Audit [Quality Team]</li> </ul>

## 6. Communication

<b>Purpose</b>	Identify reporting, review requirements of the stakeholders. Define the reporting/review interfaces, escalation mechanism
<b>Key Inputs</b>	<ul style="list-style-type: none"> <li>Contract</li> <li>SPP</li> <li>Output of Project Initiation documents</li> <li>Project Communication requirement from stakeholders</li> <li>QMS-Documents, Systems &amp; Guidelines</li> </ul>
<b>Key Output</b>	<ul style="list-style-type: none"> <li>Escalation mechanism</li> <li>List of interface available at both site to communicate</li> <li>List of reporting format with its frequency &amp; audience</li> <li>Stakeholders' review meeting</li> <li>Team status review</li> <li>Each review and reporting should have a. Name of report or review committee b. Purpose, c. Audience, d. Frequency</li> <li>Approved communication plan</li> <li>Team members are available for the planned communication</li> <li>MoM of meetings are shared to the participants</li> <li>Status reports are shared as planned</li> <li>Adhoc reports are available on request basis</li> </ul>
<b>Key Tasks with Role</b>	<ul style="list-style-type: none"> <li>Identify method of communication; email, telephone, web-ex, face to face meeting [PSM/Client]</li> <li>Make sure that review and reporting is happening as per the communication plan [PSM]</li> <li>Make sure that communication systems are available to authorized persons [PSM]</li> <li>Escalation; project organization chart (POC) represents the hierarchy of reporting and escalation within Aurovision. Escalation hierarchy within client organization shall be discussed at planning stage</li> <li>Make sure communication is happening in timely manner.</li> </ul>

## 7. Design Process

<b>Purpose</b>	Develop system architecture, data model, details design which can be provided to development/integration team to carry out the project's development/integration work.
<b>Key Inputs</b>	<ul style="list-style-type: none"> <li>Contract</li> <li>SPP</li> <li>SRS Phase documents</li> <li>QMS-Documents, Systems &amp; Guidelines</li> </ul>
<b>Key Output</b>	<ul style="list-style-type: none"> <li>Functional Architecture</li> <li>System Architecture</li> <li>Deployment Architecture</li> <li>Update GUI Wireframe</li> <li>Data Model</li> <li>GeoSpatial Data Model</li> <li>Class Design</li> <li>Detail Design</li> <li>COTS identification &amp; evaluation</li> </ul>
<b>Key Tasks with Role</b>	<ul style="list-style-type: none"> <li>Develop Functional Architecture [Architect]</li> <li>Develop System Architecture [Architect]</li> </ul>

	<ul style="list-style-type: none"> <li>• Develop Deployment Architecture [Architect]</li> <li>• Identify classes [TM/TL]</li> <li>• Develop class design [TL/TM]</li> <li>• Review class design [Peer TL/Senior Developer]</li> <li>• Develop Database Model for RDBMS [DBA]</li> <li>• Develop Database Model for GeoSpatial [DBA]</li> <li>• Review RDBMS &amp; GeoSpatial Data Model [Peer DBA/Architect]</li> <li>• Develop detail design [TL]</li> <li>• Identify the interfaces required to communicate with legacy systems [TL/Architect]</li> <li>• Identify the interfaces required to communicate with COTS [TL/Architect]</li> <li>• Provide the definition of each interface to communicate with legacy systems &amp; COTS [TL/Architect]</li> <li>• Review detail design along with system class design and integration class design [Peer TL]</li> <li>• Baseline Design documents [PSM]</li> <li>• RTM is tracked and updated [TL/PSM/BA]</li> </ul>
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## 8. Data Procurement & Conversion

<b>Purpose</b>	Extract the data into newly designed spatial and RDBMS database schema for the purpose of integration
<b>Key Inputs</b>	<ul style="list-style-type: none"> <li>• List of database sources need to be imported</li> <li>• Mapping of data elements</li> <li>• Unique key/Primary key information of schema tables</li> <li>• QMS-Documents, Systems &amp; Guidelines</li> </ul>
<b>Key Output</b>	MGIS usable GIS & Legacy Data available in MGIS's Geospatial & RDBMS databases
<b>Key Tasks with Role</b>	<ul style="list-style-type: none"> <li>• Create the Spatial and RDBMS schema as per the GeoSpatial and RDBMS design [TL/DBA]</li> <li>• Develop ETL to Map the data elements and extract data [TL/DBA]</li> <li>• Run ETL to extract data [TL/DBA]</li> <li>• Verify and Validate the quality of data using samples [TL/DBA]</li> </ul>

## 9. User Documentation for Training

<b>Purpose</b>	Develop user manual for each category of users.
<b>Key Inputs</b>	<ul style="list-style-type: none"> <li>• SRS phase documents</li> <li>• Design phase Documents</li> </ul>
<b>Key Output</b>	<ul style="list-style-type: none"> <li>• Operation Users Manual [TL/Technical Writer]</li> <li>• Managerial Users Manual [TL/Technical Writer]</li> <li>• Executive Users Manual [TL/Technical Writer]</li> <li>• Technical Users Manual [TL/Technical Writer]</li> <li>• Review All user manuals [Peer Technical Writer]</li> <li>• QMS-Documents, Systems &amp; Guidelines</li> </ul>
<b>Key Tasks with Role</b>	<ul style="list-style-type: none"> <li>• Develop Operation User Manual</li> <li>• Develop Managerial User Manual</li> <li>• Develop Executive User Manual</li> <li>• Develop Technical User Manual</li> <li>• Review all above type of manuals.</li> </ul>

<b>10. Development</b>	
<b>Purpose</b>	Write source-code for the modules to be developed and send unit tested application for product integration
<b>Key Inputs</b>	<ul style="list-style-type: none"> <li>• Detail design</li> <li>• Defect Report</li> <li>• QMS-Documents, Systems &amp; Guidelines</li> </ul>
<b>Key Output</b>	Unit tested Code
<b>Key Tasks with Role</b>	<ul style="list-style-type: none"> <li>• Develop unit test cases [TM]</li> <li>• Write code for the module as per the defined coding S&amp;G [TM]</li> <li>• Code change log and description of functions should be available in source code [TM]</li> <li>• Review source code of unit developed [Peer TM]</li> <li>• Execute unit test cases for developed unit [Peer TM]</li> <li>• Send unit for product integration [TL]</li> <li>• RTM is tracked and updated [TL]</li> </ul>

<b>11. Product Integration</b>	
<b>Purpose</b>	Ensure that individual well tested units of the project are working as required after integrating them to the main project
<b>Key Inputs</b>	<ul style="list-style-type: none"> <li>• Source code of unit to be integrated</li> <li>• QMS-Documents, Systems &amp; Integration guidelines</li> </ul>
<b>Key Output</b>	Usable product after integration testing
<b>Key Tasks with Role</b>	<ul style="list-style-type: none"> <li>• Integration plan [Test Manager]</li> <li>• Write integration test case [Tester]</li> <li>• Build the product after integrating code [CM]</li> <li>• Execute the integration test case [Tester]</li> <li>• Report the defects [Tester]</li> <li>• Fix the defects [Developer]</li> <li>• Release the integrated work product for black-box testing [PSM]</li> </ul>

<b>12. Integration with Existing Application</b>	
<b>Purpose</b>	Ensure that product developed is communicating with legacy systems
<b>Key Inputs</b>	<ul style="list-style-type: none"> <li>• Legacy systems</li> <li>• Interfaces of legacy systems</li> <li>• Application using legacy system interfaces</li> <li>• Requirement Documents</li> <li>• Design Documents</li> <li>• QMS-Documents, Systems &amp; Integration guidelines</li> </ul>
<b>Key Output</b>	Tested MGIS Application integrated with specified legacy systems and COTS
<b>Key Tasks with Role</b>	<ul style="list-style-type: none"> <li>• Integration plan [Test Manager]</li> <li>• Write integration test case [Tester]</li> <li>• Execute the integration test case [Tester]</li> <li>• Report the defects [Tester]</li> <li>• Fix the defects [Developer]</li> <li>• Release the integrated work product for black-box testing [PSM]</li> </ul>

<b>13. Software Test Planning</b>	
<b>Purpose</b>	Develop a software test plan identify testing environment, resource, efforts, schedule and risk related to testing the product
<b>Key Inputs</b>	<ul style="list-style-type: none"> <li>• Contract</li> <li>• Software Project Plan</li> <li>• Output of SRS Phase</li> <li>• Output of Design Phase</li> <li>• RTM</li> <li>• QMS-Documents, Systems &amp; Guidelines</li> </ul>
<b>Key Output</b>	<ul style="list-style-type: none"> <li>• Approved Software Testing Plan</li> </ul>
<b>Key Tasks with Role</b>	<ul style="list-style-type: none"> <li>• Identify the black-box testing environment [PSM/Test Manager]</li> <li>• Identify the UAT testing environment [PSM/Test Manager/Client]</li> <li>• Indentify testing approaches and methodologies for each type of testing [PSM/Test Manager/Client]</li> <li>• Prepare and baseline the Testing Schedule, Efforts and STP [Project Manager]</li> <li>• Publish the Testing Schedule [Process Team]</li> <li>• Develop Software testing plan [Test Manager]</li> <li>• Allocate resource to project [Program Manager]</li> <li>• Assign resources to project schedule [Project Manager]</li> </ul>

<b>14. Black-box Testing</b>	
<b>Purpose</b>	Ensure that product is developed as per the specification and unearth any existing defects
<b>Key Inputs</b>	<ul style="list-style-type: none"> <li>• Product to be tested</li> <li>• Requirement Documents</li> <li>• QMS-Documents, Systems &amp; Integration guidelines</li> </ul>
<b>Key Output</b>	List of defect in the product as the specifications.
<b>Key Tasks with Role</b>	<ul style="list-style-type: none"> <li>• Software Test Plan (STP) [Test Manager]</li> <li>• Built the product and control the release of the product [Release Manager/PSM]</li> <li>• Review and Approve test plan [PSM]</li> <li>• Develop black box test-cases [Tester]</li> <li>• Review and approve black box test cases [Peer Tester]</li> <li>• Deploy the testable product on test server [SCM]</li> <li>• Verify the defect closure of previous iteration testing [Tester]</li> <li>• Test the product against test cases [Tester]</li> <li>• Update the status of test-cases and log defects [Tester]</li> <li>• Analyze defects and assign closure of defects to team [TL/PSM]</li> <li>• RTM is tracked and updated [TL/Tester]</li> <li>• Black box testing includes but not limited to</li> <li>• Functional testing</li> <li>• Regression Testing</li> <li>• System Testing</li> <li>• Security Testing</li> <li>• Performance Testing</li> <li>• Penetration Testing</li> </ul>

15. Release	
<b>Purpose</b>	Ensure that right product is released as per the software project plan (SPP)
<b>Key Inputs</b>	<ul style="list-style-type: none"> <li>• Work product</li> <li>• SPP</li> <li>• Defect Report</li> <li>• QMS Documents/ Systems &amp; Guidelines</li> </ul>
<b>Key Output</b>	Product released to the customer with release note and release advice
<b>Key Tasks with Role</b>	<ul style="list-style-type: none"> <li>• Prepare a defect report and send to QA team [Tester]</li> <li>• Prepare a release note and release advice [QA Team/TL]</li> <li>• Deliver the product to client for UAT [QA Team]</li> <li>• Deploys the product in UAT environment as per the instruction [TL]</li> </ul>

16. UAT (Product Validation)	
<b>Purpose</b>	Ensure that product is usable in the intended environment
<b>Key Inputs</b>	<ul style="list-style-type: none"> <li>• Application</li> <li>• Requirement documents</li> <li>• UA test plan</li> <li>• QMS-Documents, Systems &amp; Guidelines</li> </ul>
<b>Key Output</b>	List of UAT defects
<b>Key Tasks with Role</b>	<ul style="list-style-type: none"> <li>• User Acceptance test-cases developed [Tester]</li> <li>• Product UAT as per the scope of milestone [Client]</li> <li>• Log the defects of product in Aurovision System [Client]</li> <li>• Clarification of scope and requirement, if any [Client]</li> <li>• Accept the product as per UAT result and acceptance criteria mentioned in SPP. [Client]</li> </ul>

17. Deploy for Pilot	
<b>Purpose</b>	Release the UAT passed application for pilot use
<b>Key Inputs</b>	<ul style="list-style-type: none"> <li>• Application</li> <li>• Identify the people involved in pilot testing</li> <li>• Training Plan for initial batch</li> <li>• Deployment Environment</li> <li>• Pilot test plan</li> <li>• QMS-Documents, Systems &amp; Guidelines</li> </ul>
<b>Key Output</b>	<ul style="list-style-type: none"> <li>• Application deployed for selected users for dry run</li> <li>• Suggestion in training module or work product</li> </ul>
<b>Key Tasks with Role</b>	<ul style="list-style-type: none"> <li>• Deploy the application on the identified deployment environment [TL]</li> <li>• Provide trainings to the user involved in pilot testing [Trainer]</li> <li>• End-user test the application [Client]</li> <li>• End-user register the complaints, wherever they feel training is required or change in system is required [Client]</li> </ul>

18. Deploy for Production use	
<b>Purpose</b>	Release the Pilot tested application for production use
<b>Key Inputs</b>	<ul style="list-style-type: none"> <li>• Application</li> <li>• Deployment plan</li> <li>• Deployment environment</li> </ul>



	<ul style="list-style-type: none"> <li>• Deployment Architecture</li> <li>• QMS-Documents, Systems &amp; Guidelines</li> </ul>
<b>Key Output</b>	Application deployed on production server for all the users
<b>Key Tasks with Role</b>	<ul style="list-style-type: none"> <li>• Deploy the application on production environment [TL]</li> <li>• Ensure that application is working as was working in pilot test [PSM]</li> </ul>

<b>19. End-user Training</b>	
<b>Purpose</b>	To train the different category of end-users for the use of the system and support of the system developed
<b>Key Inputs</b>	<ul style="list-style-type: none"> <li>• Training Manuals for each category of users</li> <li>• No of users in each category</li> <li>• Batch Size of training</li> <li>• Training need</li> <li>• List of trainees</li> <li>• QMS-Documents, Systems &amp; Guidelines</li> </ul>
<b>Key Output</b>	<ul style="list-style-type: none"> <li>• Training Plan</li> <li>• Training Calendar</li> <li>• Provide trainings to Operations users</li> <li>• Provide trainings to Managerial users</li> <li>• Provide trainings to Executive users</li> <li>• Provide trainings to Technical users for DBA, Network, h/w, software maintenance and design related supports of the system</li> </ul>
<b>Key Tasks with Role</b>	<ul style="list-style-type: none"> <li>• Prepare training plan [PSM/Client]</li> <li>• Prepare training calendar as per no of the batch and suitability of time [PSM/Client]</li> <li>• Determine the methodology of training [PSM/Client]</li> <li>• Conduct training [Trainer]</li> <li>• Conduct training feedback [Trainer]</li> <li>• Analyze the training feedback and determine the need of re-training to an individual or a batch</li> </ul>

<b>20. Warranty</b>	
<b>Purpose</b>	Ensure that product is running error free and support minor changes
<b>Key Inputs</b>	<ul style="list-style-type: none"> <li>• Product Developed</li> <li>• Minor change request</li> <li>• Request to fix the detected defect</li> <li>• QMS-Documents, Systems &amp; Guidelines</li> </ul>
<b>Key Output</b>	Bug fixed/ Minor releases during warranty period.
<b>Key Tasks with Role</b>	<ul style="list-style-type: none"> <li>• Analyze the change request or defect [TL/PSM]</li> <li>• Study the module where change is required or defect identified [TL/BA]</li> <li>• Study the RRM and analyze the dependency [CM/BA]</li> <li>• Carry out the changes [Developer]</li> <li>• Update relevant documents [TL]</li> <li>• Test the change [Tester]</li> <li>• Release the changed work product [PSM]</li> <li>• Test the release [Client]</li> </ul>



<b>21. Authorization and Acceptance Plan</b>	
<b>Purpose</b>	Ensure that right product is being developed and only authorized people are reviewing the critical inputs of next phase.
<b>Key Inputs</b>	<ul style="list-style-type: none"> <li>• “Review-Approval” request</li> <li>• QMS-Documents, Systems &amp; Guidelines</li> </ul>
<b>Key Output</b>	Document is reviewed and approved by authorized person
<b>Key Tasks with Role</b>	<ul style="list-style-type: none"> <li>• Authorized representative from client to review and approve the project plan and schedule [PSM]</li> <li>• Authorized representative from client to review and approve requirements [PSM]</li> <li>• Authorized representative from client to review and approve Design [PSM]</li> <li>• Authorized representative from client to complete the UAT and accept the product [PSM]</li> </ul>

<b>22. Security</b>	
<b>Purpose</b>	Only authorized people has the permissions granted to them on project related documents, source code, data & client supplied documents.
<b>Key Inputs</b>	<ul style="list-style-type: none"> <li>• Configuration Management Plan</li> <li>• Name of the requester and person who needs permission</li> <li>• Permission request for any project work product/item</li> <li>• QMS-Documents, Systems &amp; Guidelines</li> </ul>
<b>Key Output</b>	<ul style="list-style-type: none"> <li>• Permission Requested Accepted/Rejected</li> <li>• Access permission to project documents, projects sites, project data only to authorized period for a specified time period</li> <li>• Revoke the permission once not required or person leaves the project</li> <li>• Physical security of the project repository and database</li> <li>• Logical security of the project repository and database</li> <li>• Only authorized people with access card can access to secured zones</li> <li>• Log of people visited to different area of the organization</li> <li>• Rotate the Outsourced people on project or in system admin</li> <li>• Only client requested and PSM requested people will get user-id/ password to access the repository</li> <li>• Permission on individual folder or file within the repository will be decided by PSM</li> <li>• Each and every change will be versioned and will remain traceable</li> <li>• Hardware firewall keeps check of all the traffic and stops/reports unauthorized transaction</li> </ul>
<b>Key Tasks with Role</b>	<ul style="list-style-type: none"> <li>• Provide the permissions as per the CMP [CM]</li> <li>• Inform to the relevant people about the permission provided [CM]</li> <li>• Enable secured zones as per the project need [System Admin/HR]</li> </ul>

<b>23. Monitor &amp; Control in Project</b>	
<b>Purpose</b>	To know the status of overall project, milestones, any critical task, proactively work on any risk. Address the risk and resolve the issues proactively/ whenever identified
<b>Key Inputs</b>	<ul style="list-style-type: none"> <li>• Variance Report</li> <li>• Casual Analysis</li> <li>• List of Risk</li> </ul>

	<ul style="list-style-type: none"> <li>• List of Issues</li> <li>• List of pending Action Items</li> <li>• Earn Value</li> <li>• Earn Schedule</li> <li>• Defect Density</li> <li>• Productivity</li> <li>• Resource Utilization</li> <li>• Resource Loading</li> <li>• QMS-Documents, Systems &amp; Guidelines</li> </ul>
<b>Key Output</b>	<ul style="list-style-type: none"> <li>• Reviews</li> <li>• Reporting in predefined format</li> <li>• Reported Timesheet</li> <li>• Plan Updates</li> <li>• Audit Report</li> <li>• Corrective/Preventive Actions</li> </ul>
<b>Key Tasks with Role</b>	<ul style="list-style-type: none"> <li>• Enter timesheet [TM]</li> <li>• Update and submit task status [TM]</li> <li>• Approve timesheet [PSM]</li> <li>• Regular work status review with team [PSM]</li> <li>• Verify task status and update project schedule [PSM]</li> <li>• Periodic project review with client [PSM]</li> <li>• Send periodic status reports to client [PSM]</li> <li>• Periodic senior management review [Aurovision Management]</li> <li>• Periodic steering committee meeting &amp; review [Aurovision and MCGM Management]</li> <li>• Periodic internal audit [Quality Team]</li> <li>• Analyze project data and suggest preventive/corrective action, process adjustment [Process Team]</li> </ul>

<b>24. Change Request</b>	
<b>Purpose</b>	Control the changes request and plan the release according to the priority of customer
<b>Key Inputs</b>	<ul style="list-style-type: none"> <li>• Change request</li> <li>• Project Planning Documents</li> <li>• SRS and Design phase project document, Wireframe</li> <li>• Source Code</li> <li>• RTM, RRM</li> <li>• QMS-Documents</li> </ul>
<b>Key Output</b>	<ul style="list-style-type: none"> <li>• Accept/Reject the change request based of input from customer; after submitting impact analysis report</li> <li>• Updated change request register</li> <li>• Update releases plan</li> <li>• Updated related documents</li> <li>• Updated source code</li> <li>• Release the change request implemented application for UAT</li> <li>• Release the change request implemented documents for review and approval</li> </ul>
<b>Key Tasks with Role</b>	<ul style="list-style-type: none"> <li>• Change request [Client]</li> <li>• Impact Analysis [TL]</li> <li>• Review impact analysis and review the impact on schedule, cost and scope [SCCB]</li> </ul>

	<ul style="list-style-type: none"><li>• Send the impact report customer [PSM]</li><li>• Accept/Reject the change request [Client]</li><li>• Approve/Reject the changes, based on contract type and feasibility etc. [SCCB]</li><li>• Update the project schedule and project plans and baseline them as per approval [PSM]</li><li>• Execute new release plan [PSM]</li></ul>
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## I. Project Organization Chart

