



Agenda Item 2: Revision of AIM Projects in the SAM Region

- 2.1 Tasks proposed for the execution of AIM Projects G1, G2, and G3 in the SAM Region will be updated

Project G1: Tasks for the provision of electronic terrain and obstacle data (e-TOD)

(Presented by the Secretariat)

| Summary | |
|---|--|
| This working paper presents the initial progress made in the project for the provision of electronic terrain and obstacle data (e-TOD) so that participating States may review and adjust the project description and the associated GANT to be submitted at the next meeting of the GREPECAS Programme and Project Review Committee. | |
| References: <ul style="list-style-type: none">• ICAO Annex 15.• SAM/AIM/2 Multilateral Meeting, Lima, Peru, 26-30 September 2011. | |
| ICAO strategic objectives: | <i>A – Safety</i> <i>C – Environmental protection</i> |

1 Background

1.1 The SAM/AIM/2 meeting took note of the new organisation and work methodology adopted by GREPECAS/16, which is based on programmes and projects, and whereby Regional Officers would act as programme coordinators, and officials designated by the States would act as project coordinators, applying a methodology based on a project management approach.

2 Discussion

2.1 The South American Regional Office has sent to the States of the Region the survey prepared by the coordinator of the e-TOD Project with the purpose of establishing the project baseline and adjusting the tasks involved in project planning and the implementation of the action plans.

2.2 Of 14 States in the Region, only Bolivia, Brazil, Chile, Colombia, Ecuador, French Guiana, Paraguay and Uruguay completed and returned the e-TOD questionnaires. Argentina, Guyana, Panama, Peru, Suriname, and Venezuela did not send the required information, and this has had a negative impact on project implementation.

3. **Suggested action**













3.1 States that have not completed the information in the e-TOD questionnaire shall do so in the corresponding appendix to WP/2. The Meeting is requested to adjust the project description and the corresponding GANT shown in **Appendices A1** and **A2** to this working paper.

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APPENDIX A1

PROJECT PLAN, DELIVERABLES, EXPECTED LIFE CYCLE, AND STATUS

| | |
|------------------------------------|---|
| Name of the project | G1- Tasks for the provision of electronic terrain and obstacle data (e-TOD) (SAM) |
| Name of project coordinator | JUAN GONZALEZ (Uruguay) |
| Rationale | Compliance with SARPs contained in Annex 15 and Annex 4 to expedite the implementation of performance-based air operations. |
| Objective | Support the provision of e-TOD by SAM States. |
| Scope | The scope of the project contemplates the assessment and identification of the status of implementation associated to the provision of electronic terrain and obstacle data. It contemplates the development of an action plan and e-TOD implementation guides to support the provision of electronic terrain and obstacle data for the development of digital terrain models (DTM) to gradually improve electronic aeronautical charts and other similar products. |
| Implementation strategy | Project activities will be coordinated amongst project members, the project coordinator, and the programme coordinator, mainly through teleconferencing (<i>GoToMeeting</i> application), and at meetings that may be held based on work programme activities. The project coordinator will coordinate with the programme coordinator the incorporation of additional experts if warranted by the tasks and work to be performed. |
| Deliverables | Updated analysis of the situation in the region Action plan |
| Expected life cycle | Analysis - 2011/2012 Drafting of the action plan - 2013 Training - 2013/2014 Completion - 2015 |
| Issues and risks | Deficiencies of State databases Lack of support by States in terms of economic, human and other resources. Different variables; political changes, natural disasters, etc. |
| Status | The current phase is that of research, with some defined activities and a tentative timetable for pre-planning purposes. A preliminary GANT template is attached. Project activities have not started yet. |

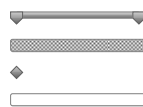
| ID | Nombre de tarea | Duration | Start | Finish | 2010 | | | 2012 | | | 2014 | | | 2016 | | |
|----|--|------------|--------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | | | Qtr 3 | Qtr 1 | Qtr 3 | Qtr 1 | Qtr 3 | Qtr 1 | Qtr 3 | Qtr 1 | Qtr 3 | Qtr 1 | Qtr 3 | Qtr 1 |
| 1 |  Desarrollos para el suministro de los datos electrónicos sobre el terreno y los obstáculos (e-TOD) en los Estados SAM + GIS/Development for the provision of terrain and obstacle electronic data (e-TOD) in SAM States + GIS | 1114 days? | Mon 26/09/11 | Thu 31/12/15 | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 |  Identificar el nivel de implantación de la Norma para la provisión de datos electrónicos sobre el terreno (e-TOD) para el Área 1 (Anexo 15, 10.1.3)/Identify the level of implementation of the Regulation for the provision of electronic terrain data (e-TOD) | 65 days | Mon 03/10/11 | Fri 30/12/11 | | | | | | | | | | | | |
| 4 |  Generar Formulario de Consulta/Generate survey form | 15 days | Mon 03/10/11 | Fri 21/10/11 | | | | | | | | | | | | |
| 5 |  Circular a los Estados/Circulate to States | 20 days | Mon 24/10/11 | Fri 18/11/11 | | | | | | | | | | | | |
| 6 |  Reunir información de los Estados/Gather information from States | 20 days | Mon 21/11/11 | Fri 16/12/11 | | | | | | | | | | | | |
| 7 |  Generar Informe de Implantación/Generate implementation report | 10 days | Mon 19/12/11 | Fri 30/12/11 | | | | | | | | | | | | |
| 8 | Plan de acción e-TOD/e-TOD action plan | 1109 days? | Mon 03/10/11 | Thu 31/12/15 | | | | | | | | | | | | |
| 9 | Objetivos/Objectives | 65 days | Mon 03/10/11 | Fri 30/12/11 | | | | | | | | | | | | |
| 10 |  Establecer y priorizar objetivos del proyecto de implantación del e-TOD (tareas, costos, plazos de ejecución, riesgos del proyecto)/Establish and prioritise objectives of e-TOD implementation project (tasks, costs, impl. Target dates, project risks) | 30 days | Mon 03/10/11 | Fri 11/11/11 | | | | | | | | | | | | |
| 11 |  Elaborar el Documento Guía con los objetivos del proyecto/Prepare guidance document with project objectives | 35 days | Mon 14/11/11 | Fri 30/12/11 | | | | | | | | | | | | |
| 12 | Especificaciones técnicas/Technical specifications | 90 days | Mon 02/01/12 | Fri 04/05/12 | | | | | | | | | | | | |
| 13 |  Definir las especificaciones técnicas y del proyecto/Define technical specifications of the project | 60 days | Mon 02/01/12 | Fri 23/03/12 | | | | | | | | | | | | |
| 14 |  Elaborar el documento con las especificaciones técnicas/Prepare the document with technical specifications | 30 days | Mon 26/03/12 | Fri 04/05/12 | | | | | | | | | | | | |
| 15 | Realizar Acuerdos/Carry out agreements | 100 days | Mon 07/05/12 | Fri 21/09/12 | | | | | | | | | | | | |
| 16 |  Definir cláusulas contractuales para el uso de la información (protección, almacenamiento, distribución, etc)/Define contract clauses for use of information, storage, distribution, etc) | 30 days | Mon 07/05/12 | Fri 15/06/12 | | | | | | | | | | | | |
| 17 |  Firmar cartas de acuerdos, socializando los datos electrónicos de terreno y de obstáculos en las áreas comunes entre las fronteras de los Estados/Sign LOAs socialising e-TOD in common areas between States' boundaries | 50 days | Mon 18/06/12 | Fri 24/08/12 | | | | | | | | | | | | |

PLANIFICACIÓN AIS: Proyecto G1

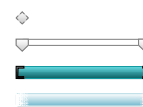
Tarea
División
Hito
Resumen



Resumen del proyecto
Tareas externas
Hito externo
Inactive Task



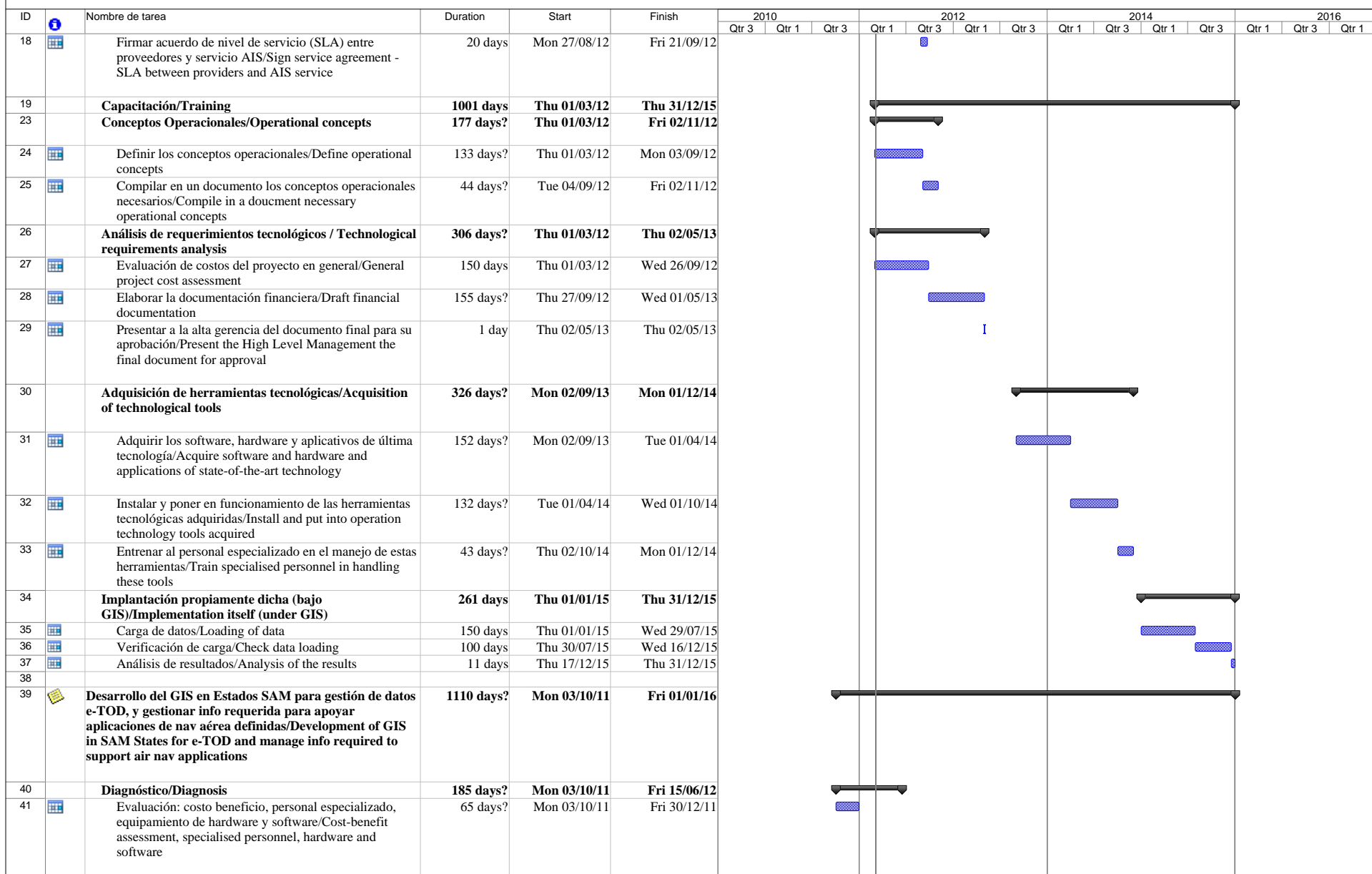
Inactive Milestone
Inactive Summary
Manual Task
Duration-only



Manual Summary Rollup
Manual Summary
Start-only
Finish-only

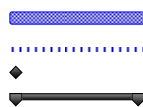
Progreso
Fecha límite





PLANIFICACIÓN AIS: Proyecto G1

Tarea
División
Hito
Resumen



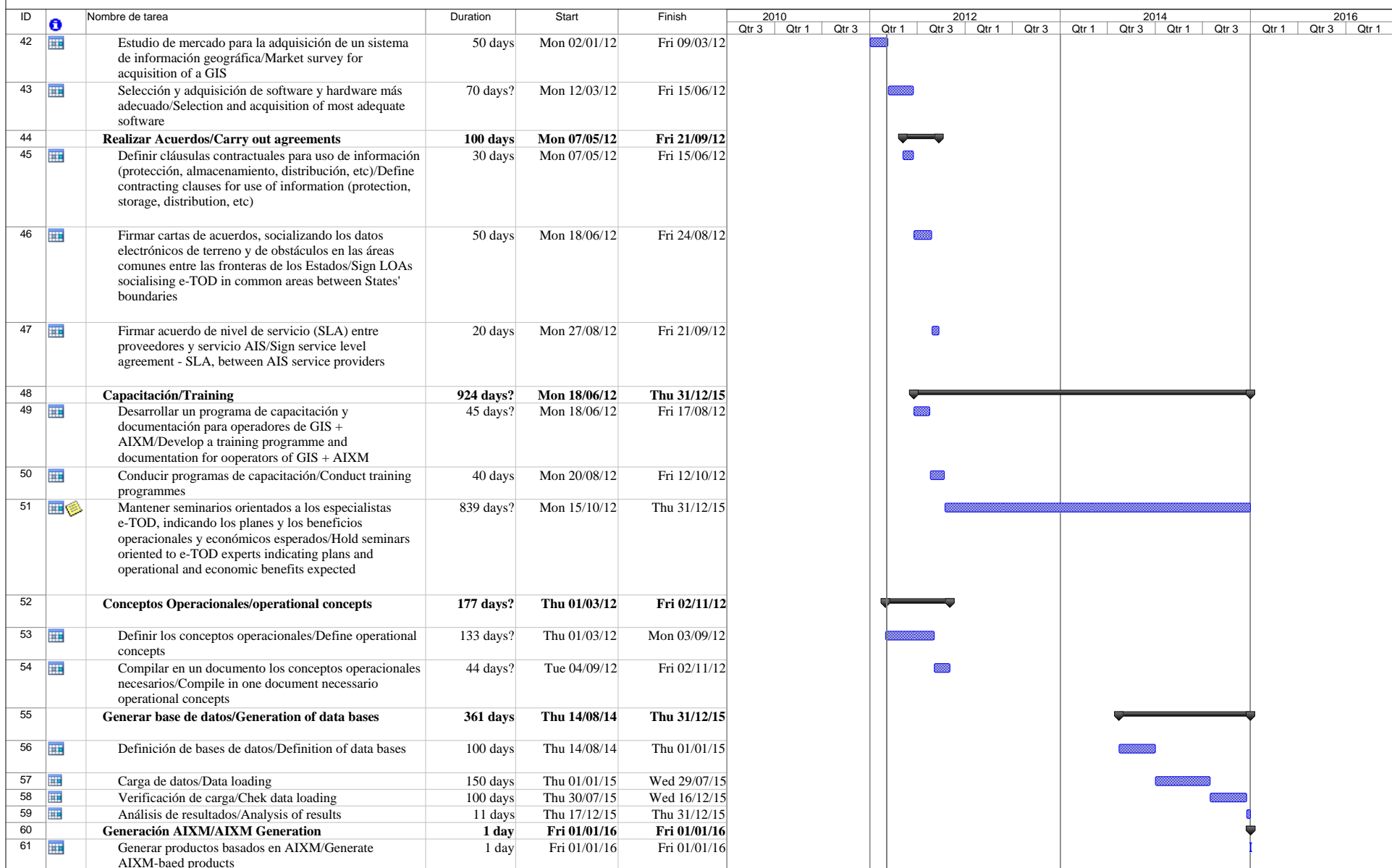
Resumen del proyecto
Tareas externas
Hito externo
Inactive Task

Inactive Milestone
Inactive Summary
Manual Task
Duration-only

Manual Summary Rollup
Manual Summary
Start-only
Finish-only

Progreso
Fecha límite





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|--------------------------------|----------|--|----------------------|--|--------------------|--|-----------------------|--|--------------|--|
| PLANIFICACIÓN AIS: Proyecto G1 | Tarea | | Resumen del proyecto | | Inactive Milestone | | Manual Summary Rollup | | Progreso | |
| | División | | Tareas externas | | Inactive Summary | | Manual Summary | | Fecha límite | |
| | Hito | | Hito externo | | Manual Task | | Start-only | | | |
| | Resumen | | Inactive Task | | Duration-only | | Finish-only | | | |