



Agenda Item 3: Activities required to be undertaken by REDDIG member States for REDDIG II implementation

(Presented by the Secretariat)

SUMMARY	
This paper presents information related with the activities required to be carried out by REDDIG member States for the execution of REDDIG II implementation, Phase 2.	
References	
<ul style="list-style-type: none">• REDDIG II final design documents, examined and approved by REDDIG II focal points (Contract 22501200 – Phase 1); and• Action plan for REDDIG II implementation (Contract 22501200 – Phase 2) chronogram presented by the INEO & Level 3 Consortium.	
ICAO strategic objective:	<i>B – Air navigation capacity and efficiency</i>

1. Background

1.1 INEO & Level 3 Consortium prepared and presented to the ICAO SAM Regional Office, in August 2013, the final REDDIG II design documents, in accordance with Contract 22501200, Phase 1.

1.2 On 21 August 2013, the ICAO SAM Regional Office sent the indicated documents to all REDDIG II focal points, for their respective review and comments.

1.3 With the aim of completing their review, a meeting was held in Lima, Peru, from 9 to 13 September 2013. All REDDIG II focal points participated, with the exception of Suriname and Venezuela. The final design documents were examined and approved by all REDDIG II focal points.

1.4 INEO & Level 3 Consortium presented the ICAO SAM Regional Office on 22 January 2014 with the tentative implementation chronogram pertaining to Contract 22501200, Phase 2.

2. Activities

2.1 Even though the implementation and start-up of REDDIG II is a turnkey contract, there are activities requiring previous actions to be conducted by the REDDIG member States, for INEO & Level 3 Consortium's execution and compliance of the tasks indicated in the implementation chronogram in Contract 22501200, Phase 2.

2.2 These activities are classified into:

- a) Administrative / Logistical; and
- b) Technical.

2.2.2 **Administrative / logistical activities**

- a) For the drafting of the goods' shipment documentation (equipment and parts), responsibility of INEO & Level 3 Consortium, each of the REDDIG member States is to submit to the ICAO SAM Regional Office and by 25 April 2014, the "SHIP TO" information, as well as any other relevant information to be included in the shipment documentation (commercial invoice, packing list, AWB, B/L), for their proper importation and customs clearance.
Activity also applicable for COCESNA.
- b) To obtain the "SHIP TO" information, REDDIG II focal points are recommended to consult and request it from the areas responsible for this in their respective States, explaining the importance of counting with this information for the delivery of the equipment within the target date.
- c) The ICAO SAM Regional Office will consolidate the "SHIP TO" information received from States and will submit it to INEO & Level 3 Consortium on 29 April 2014.
Activity also applicable for COCESNA.
- d) As per the INEO chronogram, Task No. 33, INEO has estimated one (1) month for the import and customs clearance of the goods at each State. Therefore, the goods should arrive and each State is to receive the complete shipping documentation no later than 24 July 2014, to start with the goods' customs clearance and importation.
Activity also applicable for COCESNA.
- e) Once all States receive the complete set of shipment documents, they will review and verify they are correct, in order to immediately start with the goods customs clearance and importation. In the event that the information contained in the documentation is incorrect as regards the information submitted in activity a), the ICAO SAM Regional Office is to be immediately informed of it, so INEO is duly notified for the issuance of the respective rectification.
Activity also applicable for COCESNA.
- f) All States will have, once activity e) is completed, one (1) month for the goods' clearance, import and local transfer to the respective installation site. The target date is 24 August 2014.
Activity also applicable for COCESNA.
- g) With the aim of complying with activity f), States are requested to carry out all necessary previous arrangements (submittance of explanatory letters, coordination meetings) in order to receive appropriate support from the institutions and authorities responsible for the goods' customs clearance, import and local transport, with the aim of completing this process in one (1) month, maximum.
Activity also applicable for COCESNA.
- h) The Contract has been translated, in the event same were necessary for the administrative/logistical paperwork.

2.2.3

Technical activities

- a) Antenna maintenance. It is requested that a general cleaning and maintenance be carried out to every antenna at the REDDIG stations, as per the following chronogram:

SAEZ	16 July 2014
SBCT	17 July 2014
SBMN	18 July 2014
SBRF	29 July 2014
SCEL	22 July 2014
SEGU	23 July 2014
SGAS	24 July 2014
SKED	25 July 2014
SLLP	28 July 2014
SMPM	04 August 2014
SOCA	05 August 2014
SPIM	21 July 2014
SUMU	30 July 2014
SVMI	31 July 2014
SYGC	06 August 2014
TTZP	07 August 2014

- b) Update the information registered at the national entities administrating the radio frequency spectrum, regarding the new equipment and frequencies composing REDDIG II. INEO will inform REDDIG members the value of the frequencies at the beginning of May 2014. Therefore, the registration should be carried out by 15 May 2014.
- c) In accordance with the INEO chronogram, Task No. 60, INEO has scheduled 10 September 2014 as the date to start with the installation at all the nodes (sites). Therefore, it is the responsibility of each State that the 16 REDDIG nodes have available, at the site designated for the installation of the new rack, the corresponding connector cabling of all services (voice and data) specified and detailed in the approved REDDIG II final design documents. Those nodes having a different site to the current one designated for the new installation, must have the connections in parallel up to the new rack installation site, of all services (voice and data). The target date is 8 September 2014.
- d) Installation, INEO chronogram, Task No. 60.
It is the responsibility of each State to verify INEO & Level 3 Consortium compliance regarding the requirements necessary prior to the PSAT trials, such as the execution of the nine (9) phases of installation, as indicated in the SDD document, VSAT, Part III, including the 'Pol Alignment' and 'Downlink Adjustment' tests for the two (2) SSPA, which are to be approved by Intelsat for each station. Inform the ICAO SAM Regional Office in the event there were negative observations.

- e) Assembly and installation of equipment at COCESNA.
The ICAO SAM Regional Office will send an expert to the COCESNA node in Tegucigalpa, Honduras, from 18 to 21 September 2014, to assemble the equipment ('router' plus satellite modem), using the current Band L, Type N (F) combiners/dividers. Consideration will be given to the cabling (type, longitude and connectors) to be used between the router and satellite modem equipment, as well as between the satellite modem and Band L combiners/dividers. Account is also to be given to the station's current RF local oscillator amplifier's frequency. It is INEO's responsibility to start up the COCESNA node within REDDIG II, once the assembly of the afore indicated equipment has been carried out. To this end, INEO it to provide beforehand the operational configuration archives for the router and satellite modem, with the aim that they are uploaded locally in the COCESNA node by the expert sent by the ICAO SAM Regional Office. Once this has been done, all tests indicated in the chronogram will be carried out.
- f) PSAT/NAT tests, INEO chronogram. Tasks No. 61 and 62.
It is the responsibility of each State to verify the conduct and compliance of the PSAT tests protocols, as well as the validation of the PSAT trials and, under coordination with the ICAO SAM Regional Office, the respective NAT tests.
- g) FNAT trials, INEO chronogram, Tasks No. 64 and 65.
The ICAO SAM Regional Office, together and in coordination with each of the States, will verify that INEO & Level 3 Consortium satisfactorily complies with all the tests that have not passed through the PSAT/NAT trials, and will evaluate the satellite and ground networks performance during the Operational Readiness Demonstration (ORD) period. Once all of the above has been satisfactorily complied with, will the final acceptance certificate be signed, when the two (2) years guarantee period will start.

2. **Action suggested**

2.1 The Meeting is invited to:

- a) take note of the information provided;
- b) Review the activities required to be undertaken, described in Section 2, and perform them as appropriate and in due time; and
- c) Analyse any other aspect deemed necessary regarding this Agenda Item.

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