International Civil Aviation Organization
North American, Central American and Caribbean Office

WORKING PAPER

Fifth Eastern Caribbean Network Technical Group (E/CAR/NTG/5) and Third Eastern Caribbean Radar Data Sharing Ad-hoc Group (E/CAR/RD/3) Meetings
Guadeloupe, France, 22 to 24 October 2014

Agenda Item 4: **Radar Data Display Request for Information (RFI) Process**

E/CAR RADAR DATA DISPLAY REQUEST FOR INFORMATION (RFI) PROCESS

(Presented by the Secretariat)

EXECUTIVE SUMMARY
This working paper presents the preparation and execution of the E/CAR Radar Data Display Request for Information (RFI) Process as planned by the E/CAR States and Territories for Phase II of the Radar Data Implementation Plan.

Action:	The suggested actions are detailed in section 3
Strategic Objectives:	• Safety • Air Navigation Capacity and Efficiency • Environmental Protection
References:	• Fourth Eastern Caribbean Network Technical Group and Second Eastern Caribbean Radar Data Sharing Ad hoc Group Meetings (E/CAR/NTG/4- E/CAR/RD/2), Martinique, French Antilles, France, 17 to 18 June 2013 • Twenty-fifth Meeting of Directors of Civil Aviation of the Eastern Caribbean (E/CAR/DCA/25), St. John's, Antigua and Barbuda, 3–5 December 2013

1.   Introduction

1.1   The E/CAR States and Territories recognized that Radar data sharing provides many operational benefits to aircraft operations, air traffic management and safety improvements. Radar data sharing will bring to the air traffic environment benefits such as increased surveillance coverage which directly impacts on airspace utilization and efficiency by permitting a reduction in aircraft separation and improve safety of operations. It will provide redundancy within areas where nearby Radar systems overlap, cost benefits to airline operators due to improved service and optimum flight performance. It will also reduce traffic congestion or efficiency manages traffic in busy ATC environments and homogeneity in ATC operations between neighbouring states.

1.2   Due to these benefits, the Radar Data Server initiative of Trinidad and Tobago to provide the radar data server for the sharing/exchange/remoting of radar data in the Eastern Caribbean was agreed and the E/CAR radar data Sharing Ad hoc Group was formed under the E/CAR CNS Committee.

1.3   Under the Radar Data Sharing activities, the provision of radar data displays was agreed in the Radar Data Sharing Implementation Plan. These displays are intended to provide Radar-Assisted Situational Awareness (RASA) to controllers in order to enhance the provision of procedural air traffic control service as recognized by the E/CAR/DCA725 Meeting. The RASA programme involves two phases:

     a)   **Phase 1** - donation of surplus used computer CPUs by France that are already programmed to receive the data per the systems installed in Saint Lucia, which are intended to test the system on a relatively short-term basis.

     b)   **Phase 2** - State acquisition of permanent display systems for either medium-term continuation of RASA (as decided by the States), or in the case of Antigua, in conjunction with the intended implementation of its own radar control service.

1.4   For Phase 2, a Request for Information (RFI) Process was agreed to search market potential radar data display for medium-long term solution. The technical requirement document was updated in the last E/CAR/NTG-Radar Data Sharing Meeting in Martinique, formulating decision E/CAR/NTG/4/13:

> ***DECISION***
> ***E/CAR/NTG/4/13***   ***RADAR TECHNICAL SPECIFICATION REQUEST FOR INFORMATION***
>
> *In order to provide an accurate scenario for the implementation of the radar display for the medium-long term solution that France and Trinidad and Tobago:*
>
> *a)   complete the update of the radar technical specifications;*
>
> *b)   assisted by ICAO, conduct a Request for information for the radar technical specifications for best technical solution for radar data display for situational awareness considering the current radar requests; and*
>
> *c)   inform by the E/CAR/DCA/25 Meeting the progress and results of these actions.*

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2.   Discussion

2.1   ICAO in coordination with the RDS Group prepared the E/CAR Radar data Display RFI Process:

- Completion of technical specifications
- Development of instructions for RFI Process
- Creation of RFI Process website under ICAO Website: http://www.icao.int/NACC/Pages/nacc-regionalgroups-ecarcatg.aspx

2.2   The E/CAR Radar data Display RFI Process was addressed to Equipment providers. Companies interested in responding to this RFI were to inform ICAO by issuing a formal letter of acceptance by 18 July 2014 of such intent to be considered. For those vendors expressing such interest the Eastern Caribbean Radar Data Sharing Group (E/CAR RDS) will provide answers to questions that are submitted by e-mail or any other communication mean during the permitted time frame.

2.3   The RFI instructions included:

- A hard copy response with its corresponding electronic version requested by 19 September 2014.
- The question/answer period regarding the RDS RFI was to be available until the 2 September 2014. The identity of the party posing questions was not be divulged to any of the other parties. Service Provider information marked Proprietary will not be divulged to any of the other parties. All questions were to be addressed to the following email: rds@icao.int.
- The interested Providers were requested to provide a presentation of their proposal to the E/CAR Radar data Sharing Meeting in Guadeloupe, French Antilles in October, 2014 prior notification to ICAO and the Eastern Caribbean Radar Data Sharing Group (E/CAR RDS).

2.4   Considering the request by several Providers for extending the delivery date of the E/CAR Radar Data Displays RFI responses, the delivery dates were extended as:

- The question/answer period regarding the RDS RFI has been extended to 3 October 2014.
- The RDS RFI Delivery date is 10 October 2014.

2.5   The details on the RFI process requirements and instructions are available at the RFI website:

E/CAR Rardar Data Displays Request for Information (RFI)

Extension of RDS RFI Process	en
Invitation to Request for Information (RFI) for the E/CAR Radar Data Displays	en
Instructions to Prospective Providers For Response to Request for Information (RFI)	en
Statement of Work for the Provision of Radar Data Displays for the Eastern Caribbean States/Territories E/CAR Radar Data Displays-RDS	en
E/CAR Radar Data Sharing RFI – Questions and Answers Set 01	en
E/CAR Radar Data Sharing RFI – Questions and Answers Set 02	en
E/CAR Radar Data Sharing RFI – Questions and Answers Set 03	en

2.6   The Proposal hard copies are available in this meeting as well as its soft copy and the vendors are already arranged to provide their presentations as shown in the Meeting schedule.

3.　　　　**Suggested Action**

3.1　　　　The Meeting is invited to:

　　　　a)　　　take note of the whole E/CAR Radar Data Sharing RFI Process;

　　　　b)　　　review and comment the different RFI proposal; and

　　　　c)　　　take any other action as deemed necessary.