



ATTACHMENT E

DMAC Compliance

As a data provider for CARICOOS, UMaine will perform quality assurance procedures on all near-real time data streams generated by the assets identified in this contract. QARTOD (Quality Assurance for Real Time Ocean Data) procedures will be applied to those parameters for which the relevant IOOS-QARTOD manuals are available through U.S IOOS.

U.S. IOOS policy in this regard is as follows:

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HVWDEOLVKLQJ QA/QC procedures that will:

- x Establish authoritative QA/QC procedures for 26 of the U.S. IOOS core variables, as necessary, including detailed information about the sensors and procedures used to measure the variables
 - x Produce written manuals for these QA/QC procedures
 - x From the list of individual QA/QC procedures and guidelines developed, define a baseline set of QA/QC procedures that can be used for certification of RCOOS data providers
 - x Facilitate QA/QC integration with Global Ocean Observing System (GOOS) and other international ocean observation efforts
 - x Engage the Federal Agencies and IOOS Regions that are part of, or contribute to, US IOOS who will use the established QA/QC procedure
 - x Work efficiently, without duplication of effort, to facilitate the implementation of common QA/QC procedures amongst US IOOS
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A series of eight QARTOD Manuals has been produced to date and these manuals are publicly available through the U.S. IOOS web page:

- x Real-Time Quality Control of Wind Data
- x Real-Time Quality Control of Water Level Data
- x Real-Time Quality Control of In-Situ Surface Wave Data
- x Real-Time Quality Control of Ocean Optics Data
- x In-situ Temperature and Salinity Data
- x Dissolved Oxygen Observations in Coastal Oceans
- x In-Situ Surface Wave Data
- x In-Situ Current Observations

QARTOD compliance is expected from all U.S. IOOS Regional Associations and will be required for CARICOOS to be certified as a Regional Information Coordination Entities



(RICEs) under the authority of the Integrated Coastal and Ocean Observation System Act of 2009 (ICOOS Act).

UMaine will also 1) follow best operational practices for their corresponding assets and make equipment maintenance reports available upon request, and 2) to maintain equipment and calibration inventories and log reports to be kept up to date and made available upon request.

By:

Name: _____

Title: _____

Signature: _____

Date: _____