FOR OFFICIAL USE ONLY
Certificate of Networthiness (CoN)

Product: River Analysis System (RAS) 4.x

Cert#	Request Type	CoN Type	Approval	Expiration
201519274	New	Enterprise	7/29/2015	7/29/2018
Mission Area	**Domain**	**Functional Area**	**Category**	
Enterprise Infrastructure Environment	IA	Modeling & Simulation	Application	

Description:

River Analysis System (RAS) 4.x is Government developed solution designed to perform one-dimensional hydraulic calculations for a full network of natural and constructed channels. RAS aids hydraulic engineers in channel flow analysis and floodplain determination. RAS contains four hydraulic analysis components: steady flow surface profile; unsteady flow simulation; movable boundary sediment transport; and water quality analysis. All four components use a common geometric data representation, common geometric and hydraulic computation routines. RAS also contains several hydraulic design features that are invoked once the basic water surface profiles are computed. Results of RAS are applied in floodplain management and flood insurance studies.

RAS 4.x is installed on workstations. The user downloads a setup package for RAS from the Hydrologic Engineering Center's website. Data is entered into the RAS application through the graphical user interface (GUI), and the data is saved on the workstation's hard drive. Data stays internal to the local enclave.

Facts:

CoN Link: https://portal.netcom.army.mil/apps/networthiness/_layouts/NetcomCON/rqstcon2.aspx?requestId=21208

Restrictions:

1. River Analysis System (RAS) 4.x is restricted for use within certified and accredited networks and/or data centers having a current ATO.

POC: netcom.hq.networthiness@mail.mil /(520)538-1199

This Certificate of Networthiness is based on a trusted standardized platform, configured per FDCC. All patches and updates will be provided by the host network administrator (NEC or DECC) in accordance with all technical directives, mandates, and IAVM. This Certificate of Networthiness is no longer valid should the assessed configuration be significantly altered. Per Army Cyber Command guidance, all operating environment will implement HBSS capabilities. Upon expiration of this Certificate of Networthiness, this application must be reassessed to ensure it is still compliant with the GNEC architecture and is still networthy. Should this software version be upgraded prior to this expiration, the new version must be evaluated for networthiness.

Additional Comments:

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Signed on 2015-07-29T04:00:00Z

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