



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

April 14, 2021

MEMORANDUM TO: Margaret M. Doane  
Executive Director for Operations

FROM: Chairman Hanson

SUBJECT: THE ADVISORY COMMITTEE ON REACTOR SAFEGUARDS  
MEMORANDUM TITLED: "UNI-DIRECTIONAL  
COMMUNICATIONS (NOT IMPLEMENTED IN SOFTWARE)  
FROM HIGH SAFETY TO LOWER SAFETY SYSEMS AND  
INTERNAL PLANT TO EXTERNAL SYSTEMS CONNECTED TO  
THE INTERNET"

On March 31, 2021, Chairman Sunseri of the Advisory Committee on Reactor Safeguards (ACRS) provided me a memorandum titled, "Uni-Directional Communications (Not Implemented in Software) From High Safety to Lower Safety Systems and Internal Plant to External Systems Connected to the Internet." In this memorandum, Chairman Sunseri stated that Commission direction to the staff is needed to assure, during design reviews, that only uni-directional hardware-based data communications mechanisms are used when there are communications between High Safety-Significance systems and those of Lower Safety-Significance.

I direct the NRC staff to undertake a review and within 90 days provide the Commission information on how the issues raised by the ACRS have been addressed. If the staff determines that no regulatory actions are warranted, the staff should provide the Commission with the staff's basis for that conclusion.

cc: Commissioner Baran  
Commissioner Caputo  
Commissioner Wright  
A. Vietti-Cook, SECY  
M. Zabler, OGC  
S. Moore, ACRS  
M. Sunseri, ACRS

SUBJECT: THE ADVISORY COMMITTEE N REACTOR SAFEGUARDS MEMORANDUM  
TITLED: "UNI-DIRECTIONAL COMMUNICATINS (NOT IMPLEMENTED IN  
SOFTWARE) FROM HIGH SAFETY TO LOWER SAFETY SYSEMS AND  
INTERNAL PLANT TO EXTERNAL SYSTEMS CONNECTED TO THE INTERNET"  
DATED: APRIL 14, 2021

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DATE	4/14/21	4/14/21