

Shell Projects & Technology

ICSJWG Spring Conference

April 2010

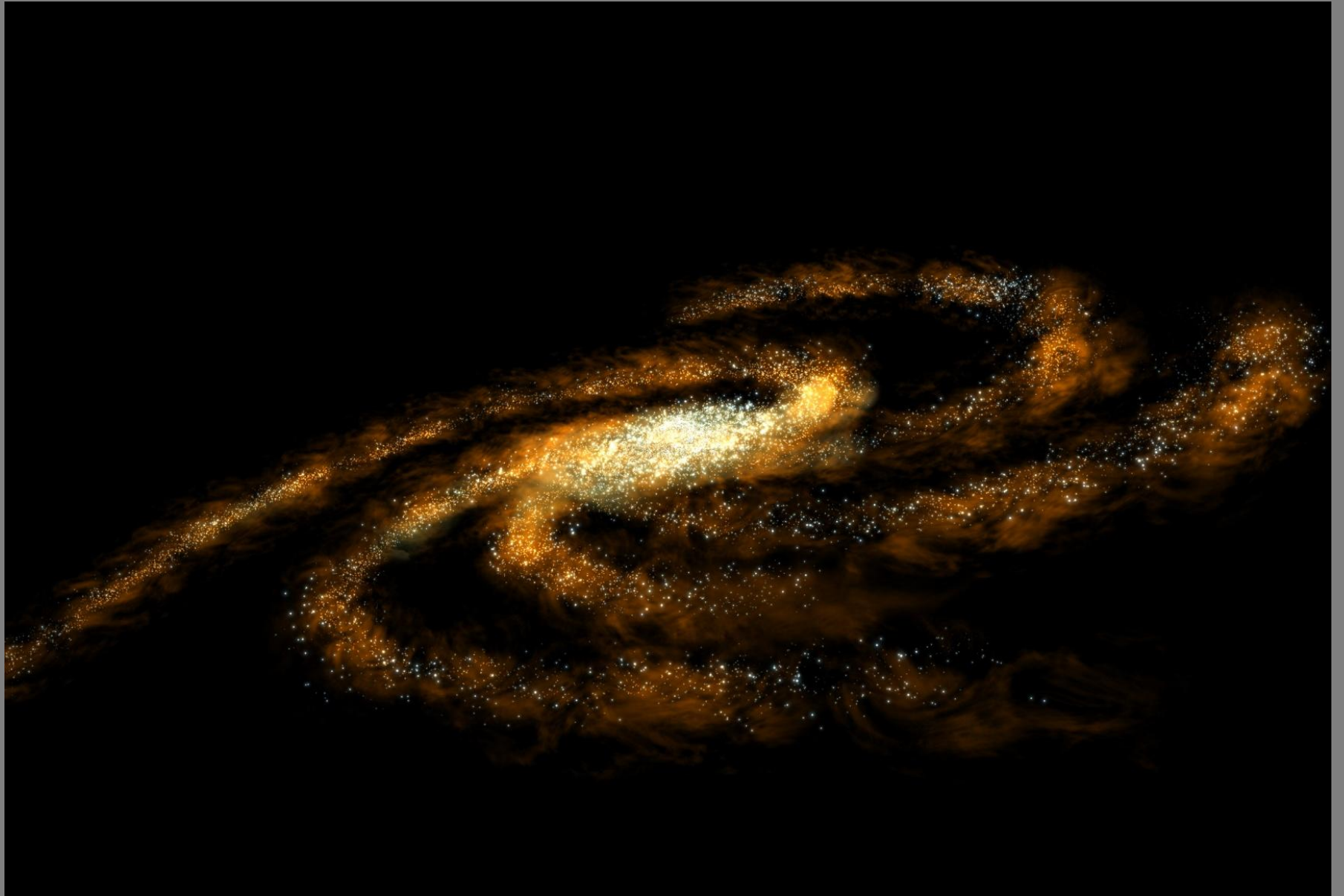


Peter Kwaspen

Strategy & Development

DACA Security













AGA12-2 SCADA encryption

API 1164 Security Guidelines for the Petroleum Industry CIDX

ISO 17799

ISO 27001

ISO 27002

IEC 62351

IEC 62443

IEEE 1402

ISA99-1

ISA99-2

NERC Security Guidelines

NERC CIP

ISA99-3

NIST SP800-53

NIST SP800-14

NIST SP800-82

ISA99-4

ISA99-6

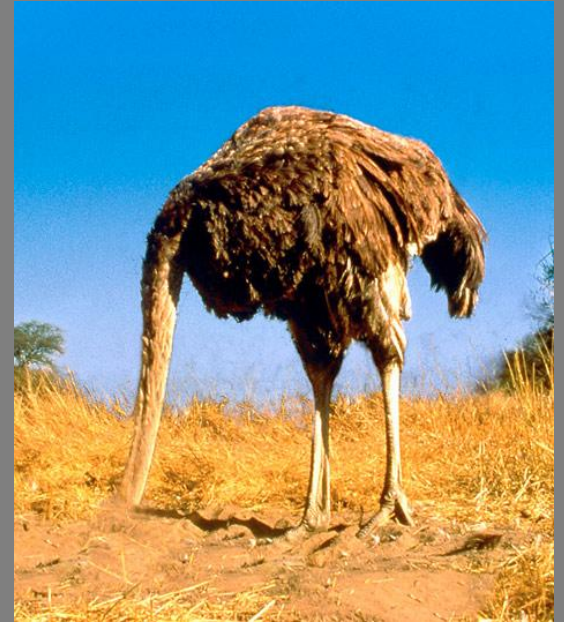
ISA SP100 Wireless Systems for Automation

IEC 62439 High Availability Automation Networks

ISO 2382-8 Information Technology - vocabulary - security

IEC 61784-4 IEC 60870-6 Telecontrol Equipment and Systems





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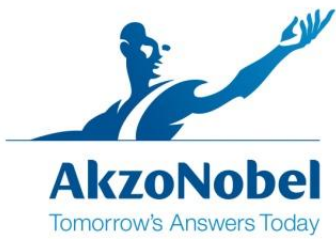
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ISO 2382-8
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Technology -
vocabulary -
security

IEC 61784-4 IEC
60870-6
Telecontrol
Equipment and
Systems







DACA security standards and experiences



IDEAL standard

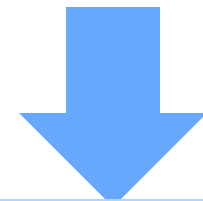


Cyber Security Procurement Language for Control Systems

WIB Report M 2784 X10, Process Control Domain – Security Requirements For Vendors, First Issue: March-2010, Index Classification 50.1- version: 1.0

Shell DEP 32.01.23.17-Gen, Process Control Domain – Security Requirements For Vendors, version 1.0.

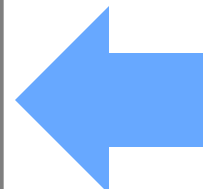
vendors



Security practices certification



Secure products
APC version 1
level Bronze



ExxonMobil

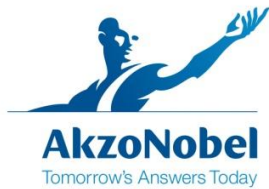
lyondellbasell



PetroSA



water**net**



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WIB

www.wib.nl



Procurement Language Document

Cyber Security Procurement Language for Control Systems

Department of Homeland Security (DHS):

http://www.us-cert.gov/control_systems/

Why not used as WIB Standard for Certification:

- Gaps in Procurement Document, e.g. only covers procurement phase
- Target audience different (Procurement Dept. vs. Vendors)
- Lots of tutorial information in Procurement Language document makes the document time consuming to read.



www.wib.nl

The International Instrument Users' Association.

WIB provides process instrumentation evaluation- and assessment services for- and on behalf of- its industrial user member companies. WIB operates in close collaboration -through the SWE federation- with sister Associations, EXERA in France and SIREP/EI in the UK. A co-operation agreement exists with the NAMUR organization in Germany.

WIB MISSION

Facilitate exchange of experience and expertise amongst end-users and with vendors of C&A

Provide requirements, selection and application guidance through independent evaluation



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ASM Brescia

AWE

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Du Pont de Nemours BV

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ENEL Generazione

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Heineken SCS

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INERIS

INRS

Intertek Polychemlab

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Italcementi/CTG

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Nederlands Meetinstituut-Nmi

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Petro SA

Polimeri Europa

RATP

Renault SA

RHODIA

Rolls-Royce Submarines

SABIC Europe BV

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SANOFI PASTEUR

Schering-Plough Corp.(Organon)

Sellafield Ltd

Shell Global Solutions International

ShinEtsu PVC BV

SIP Standardiserad Instrumentprovning

Solvay SA

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