



UX-30 Pre-application Meeting

Don Olson President - Columbiana Hi Tech, LLC

Glenn Mathues Licensing Engineer – AREVA TN

Nicolas Guibert Project Manager - AREVA TN

Prakash Narayanan Engineering Deputy Director – AREVA TN

May 29th 2014

U.S. Nuclear Regulatory Commission



AGENDA

- ▶ **Introduction**
- ▶ **Overview of Renewal Request**
 - ◆ **Licensing Strategy**
 - ◆ **Table of Contents**
- ▶ **Proposed Licensing Schedule**
 - ◆ **In the U.S.**
- ▶ **Foreign validations**
- ▶ **UX-30 French Validation General Overview**

(This Section contains proprietary information)
- ▶ **UX-30 UK Validation General Overview**

(This Section contains proprietary information)
- ▶ **Summary and Questions**



► Introduction

◆ UX-30

- UX-30 most widely used transport package for enriched UF6 worldwide
- Fleet of approximately 2300 packages in services with 10 users
- Package validated in 10 countries

◆ Columbiana Hi Tech

- UX-30 Certificate Holder
- UX-30 Sole Fabricator
- CHT owned by AREVA Inc.



Background

▶ Recent evolution

◆ ANSI 2012

- Revision 27 expires on February 28, 2016: Change certificate wording to specify that the cylinders can be fabricated under ANSI N14.1-2012 or earlier version
- Revision 26 expires on November 30, 2014

▶ This Renewal Application

◆ Application for renewal covers:

- **Add Revision Number on SAR Table of Contents Items.**
- **Add a Note Before Step 7.2.2.6 “Step 7.2.2.7 may be performed before Step 7.2.2.6.”** This non-technical change allows flexibility in the unloading operation.
- **Correction of an editorial error on page 7-9** Change “7.2.2.7” to “7.2.2.8”.

◆ No Technical Changes to the UX-30 SAR, Chapters 1 through 8



Schedule

► NRC certificate

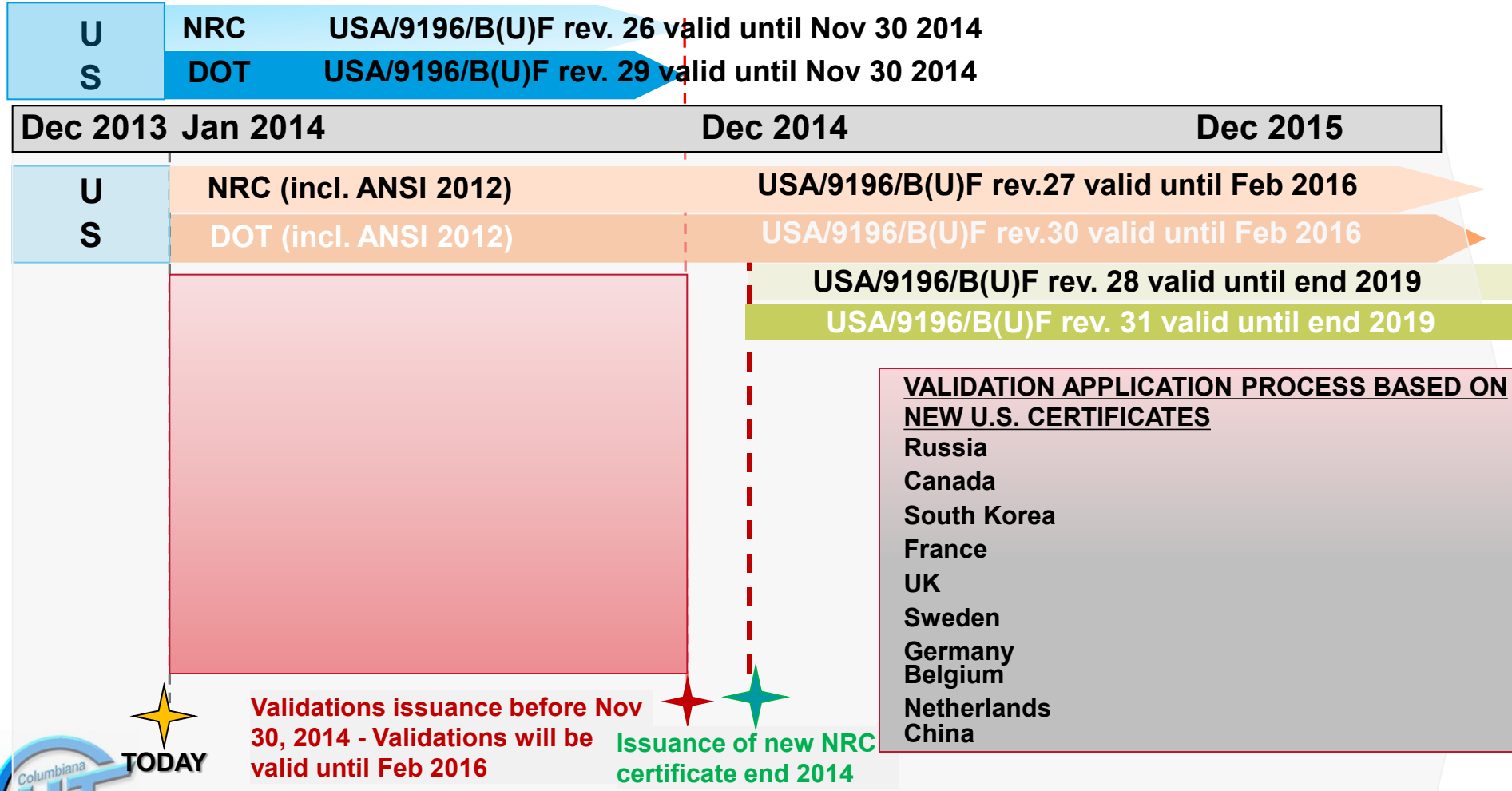
- ◆ **Revision 28 will be the basis for the U.S. DOT revalidation and for all the foreign validations.**
 - NRC CoC Revision 28 expected December 2014.
 - U.S. DOT CAC Revision 31 expected no later than January 2015.
 - Foreign validations will take approximately 1 year to be issued January 2016.

- ◆ **Expiration date of the NRC certificate will be the expiration date of all the validations.**

- ◆ **Application submittal to the NRC: June 2014**
 - Anticipate a submittal to the NRC CoC for renewal in June 2014 and anticipate a CoC issued in December 2014 (not before, not after if possible).
 - Next expiration date expected is Dec 2019.



Overview of renewal request



Previous Meeting

▶ NRC, DOT, CHT, AREVA Inc. at NRC on February 25 2014

- ◆ NRC and DOT requested to be communicated the questions and answers from foreign competent authorities (France and UK) that have technical interest and an impact on the content description, calculation or tests. This information will be provided as supplemental information and will not be integrated into the SAR.
- ◆ Agreement on the timeframe (application in June 2014 and CoC expected for December 2014).
- ◆ No technical changes to the SAR.
- ◆ No reference to future ANSI or ISO standard revision will be integrated into the SAR.



Foreign Validations

- ▶ **Main technical exchanges with French and UK Authorities**
 - ◆ Applicant in France is AREVA.
 - ◆ Applicant in the UK is INS. Application under review in the UK as the current certificate expires in June 2014.
- ▶ **Years of questions/responses summarized here**
- ▶ **Focus put on the technical topics of interest related to:**
 - ◆ Drop test
 - ◆ Criticality calculation
 - ◆ Corrosion
- ▶ **Foreign certificates will be provided.**





UX-30 French Validation General Overview





▶ **Withheld under 10 CFR 2.390**





▶ **Withheld under 10 CFR 2.390**





▶ **Withheld under 10 CFR 2.390**





UX-30 UK Validation General Overview





▶ **Withheld under 10 CFR 2.390**





▶ **Withheld under 10 CFR 2.390**





▶ **Withheld under 10 CFR 2.390**





▶ **Withheld under 10 CFR 2.390**



Summary and Questions

► Summary

- ◆ Renewal certificate application as existing certificate.
- ◆ Minor changes in the SAR.
- ◆ Information regarding questions and responses issued by France and UK will be provided to NRC as supplemental information.
- ◆ Foreign validations will be provided.

► Question:

- ◆ How to submit this supplemental information ?
- ◆ Is timeframe still acceptable ?

