

BRAZIL PERMANENT COORDINATING GROUP

George Baldwin for Bruce Berry
Sandia National Laboratories

SANDIA INTERACTIONS WITH BRAZIL

▶ U.S. Assessments

- ▶ 1996: Angra, Nuclear Engineering Inst, Argonaut, IPR-R I at Nuclear Technology Development Center, IEA-R I & MB, Institute of Energetics Nuclear Research, Angra I Nuclear Power Reactor, Institute for Engineering & Nuclear Research
- ▶ 1990: Institute for Energy and Nuclear Research (IPEN), Angra, Nuclebras Equipamentos Pesados (NUCLEP)
- ▶ 1976: Angra, Sao Paulo, Belo Horizonte, Rio

U.S. CONSULTATIONS WITH BRAZIL

- ▶ 2011: (NOV) PCG with ABACC and CNEN
- ▶ 2010: (NOV) Physical Protection Meeting with CNEN
- ▶ 2010: (JUL) PP Collaboration Meeting with CNEN Baltimore, MD
- ▶ 2009: Workshop on Physical Protection Performance Testbeds
- ▶ 2004: Design Basis Threat Training Course
- ▶ 2002: Physical Protection of Nuclear Facilities and Materials Training Course

TRAINING AND IPPAS MISSIONS

- ▶ 2012: BILAT NTC Response Performance Testing; AS-2 I
- ▶ 2012: BILAT NTC INFCIRC225 Workshop; AS-2 I
- ▶ 2012-1978 (18): ITC on the Physical Protection of Nuclear Facilities and Materials
- ▶ 2011: BILAT NTC Vulnerability Assessment Workshop; AS-20
- ▶ 2010, 2005, 2003, 2002: RTC Physical Protection of Nuclear Facilities and Materials
- ▶ 2008: RTC Physical Protection of Research Reactors
- ▶ 2005: NTC Physical Protection of Nuclear Facilities and Materials

PROJECT ACTION SHEET 20

- ▶ Workshop on Vulnerability Analysis Methodology
 - ▶ Initial coordinating meeting. November 2011
 - ▶ Conduct 5 day workshop. December 2011
 - ▶ Completed workshop with 27 participants
 - ▶ Close this action sheet

PROJECT ACTION SHEET 21

- ▶ Workshop on Guard and Response Force Performance Testing
 - ▶ Initial coordination meeting. March 2012
 - ▶ Conduct 4 day workshop. April 2012
 - ▶ Included INFCIRC/225/Rev.5 workshop
 - ▶ Completed the workshops with 16 participants
 - ▶ Close this action sheet

PROPOSED ACTION SHEETS

- ▶ Advanced Vulnerability Assessment Workshop
- ▶ Sabotage and Insider Workshop
- ▶ Nuclear Security Culture Workshop
- ▶ Force-on-Force Demonstration
- ▶ INFCIRC/225/Rev.5 Workshop
- ▶ Help planning for 2014 World Cup and 2016 Olympics