



Sandia National Laboratories NM Site Report

109th IMOG

Measurement Technologies Subgroup Meeting

**Lawrence Livermore National Laboratory
April 24th & 25th, 2012**

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Sandia is a multiprogram laboratory operated by Sandia Corporation, a Lockheed Martin Company,
for the United States Department of Energy's National Nuclear Security Administration
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SNL Site Report

- **Staffing**
- **Training**
- **Activities**
- **Equipment**
- **Business Outlook**



Staffing

- **Mechanical Calibration**
 - **Five (5) Trades**
 - Need to address attrition issues
 - One MOW taking leave of absence
 - Pending transfer of one trades (FY12)
 - Posted and interviewed for two apprentices (FY12)
 - Labor Relations has put hiring on hold





Staffing

- **Manufacturing Liaison** (in-coming supplier inspection/quality)
 - **Four (4) Trades**
 - One working in Liaison operation as Technical Fabrication Coordinator
 - Three working in-coming supplier quality and inspection
 - Actively being recruited by other organizations
 - Continuation of apprenticeship and qualified candidates
 - Posted and interviewed for one apprentice (FY12)
 - **Labor Relations** has put hiring on hold



Training

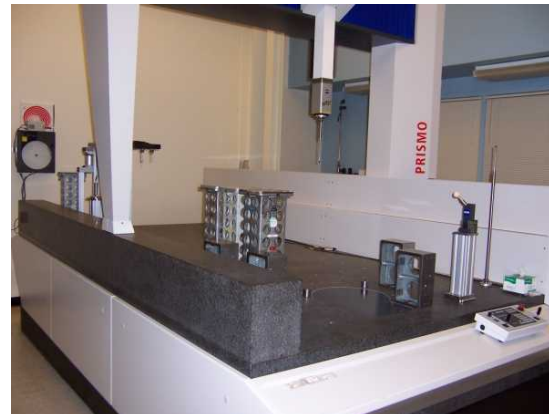
- **Mahr 828 CIM**
 - April
- **Zeiss CMM Calibration**
 - Late Spring / Early Summer
- **OGP**
- **Training credits purchased for FY12 use**
- **Measure Mind and Measure Fit software packages**





Activities

- **Continued Participation in ASME Standards**
 - ASME Y14.45-20?? “Measurement Data Reporting”
 - Monthly on-line meetings held
 - One yearly “face to face” held in conjunction with Y14.5
 - Dearborn, MI May 2012
- **GD&T Corporate Training**
 - Tony Bryce & Monico Lucero
 - Four (4) Intro Classes held / Including SNL/CA
 - Two (2) Advanced Classes Scheduled for May/June Timeframe
 - Classes to be taken on the road to Southern NM and the Four Corners area
- **Prismo 16 (large CMM)**
 - ViScan with Windows 7 upgrade
 - As-found report ,
 - Preventative maintenance
 - A2LA calibration
 - As-left report





Activities

- **Optical Gaging Products**
 - Factory preventative maintenance and calibration
 - AVANT 300
 - Smart Scope APEX
 - Contour projector QL-30
- **Hexagon Metrology Services**
 - Calibration of Romer portable CMM





Activities

- **Conversion of CMM Programs Used to Support NG Production**
 - Funding was approved to convert / translate 21 existing Zeiss UMESS 300 programs to Calypso
- **Green Belt for Margie Baca**



Business Outlook

- **Mechanical Calibration**
 - Work load has been steady with increases due to:
 - Manufacturing Liaison
 - SNL/CA
 - Walk-in Measurement Work
 - FY11 had approximately 800 hours / FY12 400 at week 25
- **Manufacturing Liaison**
 - Part of Supply Chain Management
 - Manufacturing Liaison (which includes in-coming measurements) is understaffed
 - In-direct organization
 - Anticipate continued strong “fab-to-print” presence/need



Business Outlook

- **Manufacturing Liaison**
 - Fabricate to Print Orders
 - FY'11
 - All suppliers nationwide*
 - Number of orders = 2694
 - Number of suppliers = 134
 - Delivery rating = 76.6%*
 - *CPA suppliers*
 - Number of orders = 2349
 - Delivery rating = 79.0%*
 - FY'12
 - All suppliers nationwide*
 - Number of orders = 1252
 - Number of suppliers = 86
 - Delivery rating = 97.8*
 - *CPA suppliers*
 - Number of orders = 1101
 - Delivery rating = 98.0%*

*different on-time formula used in FY11 vs. FY12