## Regional Training Course on Management Systems, ANL, 9 - 20 November 2015

|       |   |  |                      |                      |  | Tentative Calenda | ar and Ac            | tivities - Week 1 Rev.  | 10.0 (as of 10 Novemb | er, 2015)            | )   |                        |                      |   |                   |  |
|-------|---|--|----------------------|----------------------|--|-------------------|----------------------|---|-----------------------|----------------------|---|------------------------|----------------------|---|-------------------|--|
| Time  | Monday  |  |                      | Tuesday              |  |                   | Wednesday            |   |                       | Thursday             |   |                        |                      | Friday  |                   |  |
|       |   | 09 November, 2015  |                      | 10 November, 2015    |  |                   | 11 November, 2015    |   |                       | 12 November, 2015    |   |                        | 13 November, 2015    |   |                   |  |
|       | Lect. no.   | Lecture Topic  | Lecturer             | Lect. no.            | Lecture Topic  | Lecturer          | Lect. no.            | Lecture Topic   | Lecturer              | Lect. no.            | Lecture Topic   | Lecturer               | Lect. no.            | Lecture Topic   | Lecturer          |  |
| 8:30  |   | Administrative<br>Process  | ANL Staff            | L.2.3                | Introduction to Organizational Culture and Culture for Safety  | S. Haber, USA     | L.2.6                | Frameworks for a<br>Culture for Safety  | S. Haber, USA         | L.5.2                | Risk Considerations<br>within the Regulatory<br>Body                              | M. Cunningham, USA     | L.5.4                | Introduction to Quality<br>Assurance in the<br>Nuclear Industry | E. Grauf, Germany |  |
| 9:00  | L.0.1   | Welcome to ANL   | Tanju Sofu, J. Braun |                      | for Salety   |                   |                      |   |                       |                      |   |                        |                      |   |                   |  |
| 9:20  | L.0.2 ANL Site Safety Tom Kekelik Briefing @ 9:15AM |  | BREAK (10 MIN)       |                      |  | BREAK (10 MIN)    |                      |   | BREAK (10 MIN)        |                      |   | BREAK (10 MIN)         |                      |   |                   |  |
| 9:30  | L.0.3   | Introduction of<br>Participants & Team<br>Assignments  | J. Braun, USA        | L.2.4                | Building a Framework<br>for Assessing a<br>Culture for Safety  | S. Haber, USA     | L.3.3                | Developing an<br>Effective Internal<br>Communication<br>Process                               | G. Watts, Canada      | L.5.3.1              | Comparison of IAEA<br>GSR-3, NQA-1, and<br>ISO-9001-2008<br>Requirements (Part 1) | G. Danielson,<br>USDOE | L.4.3.1              | Human Resources<br>and Staff<br>Management (part 1)             | C. Goodnight, USA |  |
| 10:20 | BREAK (15 MIN)                                      |  |                      | BREAK (20 MIN)       |  |                   | BREAK (20 MIN)       |   |                       | BREAK (20 MIN)       |   |                        | BREAK (20 MIN)       |   |                   |  |
| 10:40 | L.1.1.1   | The IAEA Milestones<br>Approach (@<br>10:35AM)   | E. Grauf, Germany    | L.2.5.1              | Management System<br>and Culture for Safety<br>(part 1)  | S. Haber, USA     | P.3.1                | Practical Exercise on<br>Assessment of<br>Leadership Styles                                   | G. Watts, Canada      | L.5.3.2              | Comparison of IAEA<br>GSR-3, NQA-1, and<br>ISO-9001-2008<br>Requirements (Part 2) | G. Danielson,<br>USDOE | L.4.3.2              | Human Resources<br>and Staff<br>Management (part 2)             | C. Goodnight, USA |  |
| 11:30 |   | BREAK (10 MIN)   |                      | BREAK (10 MIN)       |  |                   | BREAK (10 MIN)       |   |                       | BREAK (10 MIN)       |   |                        | BREAK (10 MIN)       |   |                   |  |
| 11:40 | L.1.1.2   | 6 years of experience<br>with INIR missions.<br>Critical issues for<br>Newcomer Countries<br>and with IMS<br>Implementation. | E. Grauf, Germany    | L.2.5.2              | Management System<br>and Culture for Safety<br>(part 2)  | S. Haber, USA     | L.4.1.1              | Nuclear Power Plant<br>Construction<br>Management Aspects<br>and Challenges                   | F. Berry, USA         | L.5.1.1              | Safety Culture and<br>Regulation  | D. Sieracki, US NRC    |                      | HRD Lessons<br>Learned  | E. Grauf, Germany |  |
| 12:30 | LUNCH BREAK (1 HOUR)                                |  |                      | LUNCH BREAK (1 HOUR) |  |                   | LUNCH BREAK (1 HOUR) |   |                       | LUNCH BREAK (1 HOUR) |   |                        | LUNCH BREAK (1 HOUR) |   |                   |  |
| 13:30 | L.2.1.1   | Introduction to<br>Process Development   | E. Grauf, Germany    | L.3.1.1              | Organizational<br>Development - Roles,<br>Functions and<br>Competencies of<br>Leaders and<br>Managers (part 1) | G. Watts, Canada  | L.3.2.1              | The Role of "Process<br>Owners" and<br>"Continuous<br>Improvement" of an<br>IMS               | E. Grauf, Germany     | L.4.2.1              | Supply Chain<br>Management (part 1)   | J. Braun, USA          | L.4.5.1              | Stakeholder<br>Involvement (part 1)                             | J. Braun, USA     |  |
| 14:30 | BREAK (10 MIN)                                      |  |                      | BREAK (10 MIN)       |  |                   | BREAK (10 MIN)       |   |                       | BREAK (10 MIN)       |   |                        | BREAK (10 MIN)       |   |                   |  |
| 14:40 |   | Practical exercise<br>( 2 groups)<br>"Development of a<br>process"   | E. Grauf, Germany    | L.3.1.2              | Organizational Development - Roles, Functions and Competencies of Leaders and Managers (part 2)                | G. Watts, Canada  | L.3.2.2              | Examples of Typical<br>Management<br>Systems at a Nuclear<br>Power Plant                      | E. Grauf, Germany     | L.4.2.2              | Supply Chain<br>Management (part 2)   | J. Braun, USA          | L.4.5.2              | Stakeholder<br>Involvement (part 2)                             | J. Braun, USA     |  |
| 15:40 |   |  |                      | BREAK (10 MIN)       |  |                   | BREAK (10 MIN)       |   |                       | BREAK (10 MIN)       |   |                        | BREAK (10 MIN)       |   |                   |  |
| 15:50 |   | Senior Management<br>Responsibilities<br>Roles and Key Success<br>Factors in the<br>Development of an<br>Effective MS        | E. Grauf, Germany    | P.2.1                | Dialogue on<br>Management<br>Systems and Culture<br>for Safety   | S. Haber, USA     | L.3.4                | Introduction to<br>Regulation - Role of<br>Regulation in an<br>Effective<br>Management System | M. Cunningham, USA    | L.4.4                | Key Aspects of<br>Knowledge<br>Management   | A. Grelle, USA         |                      | Stakeholder Exercise  | J. Braun, USA     |  |
| 16:50 |   | BOARD BI   | us                   | BOARD BUS            |  |                   |                      | BOARD BUS   |                       |                      | BOARD BUS   |                        |                      | BOARD B   | us                |  |

## Regional Training Course on Management Systems, ANL, 9 - 20 November 2015 Tentative Calendar and Activities - Week 2 Rev. 11.0 (as of 17 November, 2015)

|              |  |  |  | 1                            |  | Tentative Calend                                      |                                |   |                              | , , ,                |   |                        |                     |  |                                   |  |
|--------------|--|--|--|------------------------------|--|---|--------------------------------|---|------------------------------|----------------------|---|------------------------|---------------------|--|-----------------------------------|--|
| Time         | Monday<br>16 November, 2015                |  |  | Tuesday<br>17 November, 2015 |  |   | Wednesday<br>18 November, 2015 |   |                              |                      | Thursday  |                        |                     | Friday   |                                   |  |
|              |  |  |  |                              |  |   |                                |   |                              | 19 November, 2015    |   |                        | 20 November, 2015   |  |                                   |  |
|              | Lect. no.                                  | Lecture Topic  | Lecturer   | Lect. no                     | . Lecture Topic  | Lecturer  | Lect. no.                      | Lecture Topic   | Lecturer                     | Lect. no.            | Lecture Topic   | Lecturer               | Lect. no.           | Lecture Topic                                      | Lecturer                          |  |
| 8:30<br>9:00 | L.1.3                                      | Key Success Factors<br>for Effective Senior<br>Management  | J. Majola, Canada  | L.6.1.1                      | An Introduction to<br>Integrated<br>Management<br>Systems (part 1)   | J. Majola, Canada                                     | L.6.2.1                        | Information<br>Management: The<br>Importance of Initial<br>Project Strategy<br>Development (part 1)   | D. Shuffleton, UK            | P.7.1.1              | Practical Exercise on<br>Monitoring and<br>Improving Processes<br>(part 1)  | Q. Galles, Spain       | W.9.1               | Final Preparations for<br>Poweria<br>Presentations | All Participants                  |  |
| 9:20         | BREAK (10 MIN)                             |  |  |                              |  |   | DDEAK (40 MIN)                 |   |                              | BREAK (10 MIN)       |   |                        | D 0 4 4             | Tana 4 December                                    | Tana 4 Dartisiaanta               |  |
|              | L.3.5 Graded Approach to J. Majola, Canada |  | BREAK (10 MIN)  L.6.1.2 An Introduction to J. Majola, Canada |                              |  | BREAK (10 MIN)  L.6.2.2 Information D. Shuffleton, UK |                                |   | P.7.1.2                      |                      |   | P.9.1.1                | Team 1 Presentation | Team 1 Participants                                |                                   |  |
| 9:30         | L.3.5                                      | Management System  | J. Majola, Canada  | L.6.1.2                      | Integrated   | J. Majola, Canada                                     | L.6.2.2                        | Information Management: The   | D. Shullleton, UK            | P.7.1.2              | Monitoring and  | Q Galles, Spain        |                     |  |                                   |  |
|              |  |  |  |                              |  |   |                                | Importance of Initial   |                              |                      | Improving Processes   |                        | P912                | Team 2 Presentation                                | Team 2 Participants               |  |
| 10:00        |  | Applications   |  |                              | Management<br>Systems (part 2)   |   |                                | Project Strategy Development (part 2)   |                              |                      | (part 2)  |                        |                     |  |                                   |  |
|              |  |  |  |                              |  |   |                                |   |                              |                      |   |                        |                     |  |                                   |  |
| 10:20        | BREAK (20 MIN)                             |  |  | BREAK (20 MIN)               |  |   | BREAK (20 MIN)                 |   |                              | BREAK (20 MIN)       |   |                        | P.9.1.3             | Team 3 Presentation                                | Team 3 Participants               |  |
| 10:40        | L.2.9                                      | Management<br>Leadership and   | J. Braun, USA  | L.6.3                        | Development of IMS and the Standard  | Q. Galles, Spain                                      | L.7.2                          | Networking Session -<br>Peaceful Uses   | A. Grelle, USA               | L.7.1                | Example of Quantified Risk Analysis   | E. Gevondyan, USA      |                     |  | ·                                 |  |
|              |  | Safety Culture   |  |                              | Nuclear Performance  |   |                                | Network Intro and   |                              |                      | ,   |                        | P.9.1.4             | Team 4 Presentation                                | Team 4 Participants               |  |
| 11:00        |  |  |  |                              | Model  |   |                                | Signup  |                              |                      |   |                        |                     |  |                                   |  |
| 11.00        |  |  |  |                              |  |   |                                |   |                              |                      |   |                        |                     |  |                                   |  |
| 11:30        |  | BREAK (10  | MIN)   | BREAK (10 MIN)               |  |   | BREAK (10 MIN)                 |   |                              | BREAK (10 MIN)       |   |                        |                     |  |                                   |  |
| 11:40        | L.2.8                                      | The Role of a New<br>Build Project Team<br>(Part A)  | D. Shuffleton, UK  | L.6.4                        | Managing<br>Organizational<br>Change   | Q. Galles, Spain                                      | L.6.10                         | Effective Corrective<br>Actions Process and<br>Management   | Q. Galles, Spain             | P.7.2                | Preparing for Poweria<br>Practical Exercise                                 | J. Braun, USA          |                     | LUNOU DDEAK  | (45.880)                          |  |
| 12:10        |  |  |  |                              |  |   |                                |   |                              |                      |   |                        |                     | LUNCH BREAK  | (45 MIN)                          |  |
| 40.00        |  |  |  |                              |  |   | LUNGU PREAK (A LIQUE)          |   |                              |                      |   |                        |                     | Closing Discussion                                 | Participants and                  |  |
| 12:30        | 2:30 LUNCH BREAK (1 HOUR)                  |  |  | LUNCH BREAK (1 HOUR)         |  |   | LUNCH BREAK (1 HOUR)           |   |                              | LUNCH BREAK (1 HOUR) |   |                        |                     |  | Faculty                           |  |
|              | L.2.7                                      | The Role of a New  | D. Oberffleten LIK   |                              | 1  |   |                                |   |                              |                      |   |                        |                     | i e  | I                                 |  |
|              |  | THE ROLE OF A NEW  | D. Shuffleton, UK  | L.6.5                        | The Challenges of  | D. Shuffleton, UK                                     | L.6.8.1                        | Establishing a  | Q. Galles, Spain             | W.7.1.1              | Performing the  | All Participants       |                     |  |                                   |  |
|              |  |  | D. Snumeton, UK  | L.6.5                        |  | D. Shuffleton, UK                                     | L.6.8.1                        |   | Q. Galles, Spain             | W.7.1.1              |   | All Participants       |                     |  |                                   |  |
| 13:30        |  | Build Project Team   | D. Snumeton, UK  | L.6.5                        | The Challenges of<br>Setting Up a New<br>Build Organization  | D. Shuffleton, UK                                     | L.6.8.1                        | Establishing a<br>Monitoring and<br>Measurement   | Q. Galles, Spain             | W.7.1.1              | Performing the<br>Poweria Exercise  | All Participants       |                     |  |                                   |  |
| 13:30        |  | Build Project Team<br>(Part B)   |  | L.6.5                        | Setting Up a New<br>Build Organization   | ·   | L.6.8.1                        | Monitoring and<br>Measurement<br>Process (part 1)   |                              | W.7.1.1              | Poweria Exercise  | ·                      |                     |  |                                   |  |
| 13:30        |  | Build Project Team   | MIN)   | L.6.5                        | Setting Up a New<br>Build Organization   | MIN)  |                                | Monitoring and Measurement Process (part 1) BREAK (10   |                              | W.7.1.1              |   | MIN)                   |                     | Course Evaluation                                  | All Participants                  |  |
|              | L.5.6.1                                    | Build Project Team<br>(Part B)   |  | L.6.5<br>L.6.6               | Setting Up a New<br>Build Organization  BREAK (10  | ·   |                                | Monitoring and<br>Measurement<br>Process (part 1)   |                              |                      | Poweria Exercise  | ·                      |                     | Course Evaluation Closing Ceremony                 | All Participants All Participants |  |
| 14:30        | L.5.6.1                                    | Build Project Team<br>(Part B)   | MIN)   |                              | Setting Up a New<br>Build Organization  BREAK (10  Managing and<br>Controlling Process   | MIN)  |                                | Monitoring and Measurement Process (part 1) BREAK (10) Establishing a Monitoring and  | MIN)                         |                      | Poweria Exercise  BREAK (10)  | MIN)                   |                     | Closing Ceremony and Awarding of                   |                                   |  |
|              | L.5.6.1                                    | Build Project Team<br>(Part B)  BREAK (10  Integrating Risk  | MIN)   |                              | Setting Up a New Build Organization  BREAK (10  Managing and Controlling Process Responsibility and                                      | MIN)  |                                | Monitoring and Measurement Process (part 1) BREAK (10 Establishing a  | MIN)                         |                      | Poweria Exercise  BREAK (10 )  Performing the                               | MIN)                   |                     | Closing Ceremony                                   |                                   |  |
| 14:30        | L.5.6.1                                    | Build Project Team<br>(Part B)  BREAK (10  Integrating Risk Considerations into  | MIN)   |                              | Setting Up a New<br>Build Organization  BREAK (10  Managing and<br>Controlling Process   | MIN)  |                                | Monitoring and Measurement Process (part 1) BREAK (10) Establishing a Monitoring and  | MIN)                         |                      | Poweria Exercise  BREAK (10 )  Performing the                               | MIN)                   |                     | Closing Ceremony and Awarding of                   |                                   |  |
| 14:30        | L.5.6.1                                    | Build Project Team (Part B)  BREAK (10 Integrating Risk Considerations into Management   | <i>MIN)</i><br>J. Majola, Canada                             |                              | Setting Up a New Build Organization  BREAK (10  Managing and Controlling Process Responsibility and                                      | MIN)  Q. Galles, Spain                                |                                | Monitoring and Measurement Process (part 1)  BREAK (10)  Establishing a Monitoring and Measurement  | MIN) Q. Galles, Spain        |                      | Poweria Exercise  BREAK (10 )  Performing the                               | MIN)  All Participants |                     | Closing Ceremony and Awarding of                   |                                   |  |
| 14:30        |  | Build Project Team (Part B)  BREAK (10  Integrating Risk Considerations into Management Systems (part 1)                                   | MIN) J. Majola, Canada MIN)                                  |                              | Setting Up a New<br>Build Organization  BREAK (10  Managing and<br>Controlling Process<br>Responsibility and<br>Authority                | MIN)  Q. Galles, Spain                                |                                | Monitoring and Measurement Process (part 1) BREAK (10 Establishing a Monitoring and Measurement Process (part 2)                                  | MIN) Q. Galles, Spain        |                      | Poweria Exercise  BREAK (10 )  Performing the Poweria Exercise              | MIN)  All Participants |                     | Closing Ceremony and Awarding of                   |                                   |  |
| 14:30        |  | Build Project Team<br>(Part B)  BREAK (10  Integrating Risk Considerations into Management Systems (part 1)  BREAK (10                     | MIN) J. Majola, Canada MIN)                                  | L.6.6                        | Setting Up a New<br>Build Organization  BREAK (10  Managing and<br>Controlling Process<br>Responsibility and<br>Authority  BREAK (10     | MIN)  Q. Galles, Spain  MIN)                          | L.6.8.2                        | Monitoring and Measurement Process (part 1)  BREAK (10  Establishing a Monitoring and Measurement Process (part 2)  BREAK (10                     | MIN)  Q. Galles, Spain  MIN) | W.7.1.2              | Poweria Exercise  BREAK (10)  Performing the  Poweria Exercise  BREAK (10)  | MIN)  All Participants |                     | Closing Ceremony and Awarding of                   |                                   |  |
| 14:30        |  | Build Project Team (Part B)  BREAK (10  Integrating Risk Considerations into Management Systems (part 1)  BREAK (10  Practical Exercise on | MIN) J. Majola, Canada MIN)                                  | L.6.6                        | Setting Up a New Build Organization  BREAK (10  Managing and Controlling Process Responsibility and Authority  BREAK (10  Implementing a | MIN)  Q. Galles, Spain  MIN)  Q. Galles, Spain        | L.6.8.2                        | Monitoring and Measurement Process (part 1)  BREAK (10  Establishing a Monitoring and Measurement Process (part 2)  BREAK (10  History of Nuclear | MIN)  Q. Galles, Spain  MIN) | W.7.1.2              | BREAK (10) Performing the Poweria Exercise  BREAK (10) Coordination Meeting | MIN)  All Participants |                     | Closing Ceremony and Awarding of                   |                                   |  |

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