

This program is under development and may be subjected to some changes in topics and speakers

ISGAN - International Smart Grid Action Network
Workshop 13th of May 2013 in Salzburg*, Austria on
Power Transmission and Distribution Interaction
-a challenging MMORPG**

*Wikipedia: Salzburg was the birthplace of 18th-century composer Wolfgang Amadeus Mozart. In the mid-20th century, the city was the setting for parts of the musical and film The Sound of Music. Salzburg's "Old Town" (Altstadt) has internationally renowned baroque architecture and one of the best-preserved city centres north of the Alps. It was listed as a UNESCO World Heritage Site in 1997.

**Wikipedia: Massively Multiplayer Online Role-Playing Game

Invitation to ISGAN Workshop in association with the Austrian Smart Grid Week

On behalf of Michael Hübner, Austrian Federal Ministry for Transport, Innovation and Technology and Carl Ohlen, ISGAN Annex 6, Power Transmission and Distribution Systems and the Salzburg AG, you are cordially invited to the workshop on MMORPG* for Power Transmission and Distribution Interaction, in association with the Austrian Smart Grid Week 2013.

Date: 13th of May 2013,

Workshop venue: Salzburg AG, Bayerhammerstrasse 16 Salzburg, Austria

Fee: No fee for the workshop and lunch is included

Attending the ISGAN Annex 6 Workshop on Monday 13th of May gives you the opportunity to join the Smart Grids ERA-NET Workshop: "Smart Grids for Smart Cities" at Salzburg AG on Tuesday 14th as well as the international conference from 15th to 17th of May at the Salzburg Congress. On Wednesday 15th of May there is the possibility to join on site visits of several demonstration projects within the Smart Grid Model Region Salzburg.

More information related to the Smart Grids Week is available here:

www.smartgridsweek.at



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Motivation

The planned rapid growth of both distributed and large scale wind and solar power generation will require a “smarter” and more powerful transmission and distribution system, which are able to host the increasing share of renewable energy resources as well as active consumers and new market players. New and old players will have different roles in the power system both when it comes to commercial and technical interaction. There is a need to further discuss who is doing what in real time and planning ahead.

Currently at almost all network levels individual solutions and approaches for network operation and planning are under development. From an overall system point of view there is still a lack on experiences and solutions for the interaction of new control and planning approaches as well as new market players at different voltage levels in particular between transmission and distribution level.

Objective

Aim of the workshop is to discuss the future interaction of distribution and transmission network interconnection requirements, controls and policies. In session 1 the focus will be on the differences as well as the synergies of harmonized requirements for network interconnection of generation units. The requirements are strongly influencing the future active integration of generators and consumers in network operation via different control concepts. In session 2 the interaction of distribution system and transmission network level will be discussed. How a future smart distribution network including different controls (i.e. voltage control concepts, reactive power management, and demand response) is going to influence the transmission network operation and vice versa.

Finally in session 3 the design of new roles in future electricity MMORPG (i.e. aggregators, flexibility operators) and the interaction of those new market players will be presented. The focus is on discussing the interaction as well as the integration of those new players at different voltage levels in policy and regulation. The results of the workshop will be used as an important input for the further work and activities within IEA ISGAN Annex 6.

Participation and preparation

All interested ISGAN countries and international experts are invited to join the public ISGAN Annex 6 workshop on “Power Transmission and Distribution Interaction”, which will take place in Salzburg, 13th May 2013, within the Austrian Smart Grid Week 2013 (13th - 17th May 2013).

The Salzburg workshop is the continuation of the workshop on “Transmission and Distribution Integration” in Milan, June 2012 and the work within IEA IA ENARD (Electricity Networks, Research and Development). The reports from the Milan workshop and ENARD work will be available for the participants ahead of the workshop.

Welcome to join the MMORPG for Power Transmission and Distribution Interaction!

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Programme Monday May 13:

09:00 Welcome : Opening and objectives of the Workshop, Michael Hübner, BMVIT, Austria and Carl Ohlen, STRI, Operating Agent IEA ISGAN Annex 6

09:10 Presentation of IEA ISGAN Annex 6 and the results of the previous ISGAN Annex 6 Workshop in Milan, Carl Ohlen, Operating Agent Annex 6

09:30 Presentation of earlier results within IEA ENARD Annex 2 activities on distribution networks, Helfried Brunner, former IEA ENARD Annex 2 operating agent

Session 1: Network interconnection requirements at different voltage levels

09:40 Transmission network interconnection requirements and expectations from the distribution networks: ENTSO-E (speaker tbc)

10:05 Overview of international distribution grid interconnection requirements, Per Olof Granstrom EDSO4SG

10:30 Discussion on transmission and distribution interconnection requirements

11:00 Break

Session 2: Interaction of transmission and distribution controls

11:30 Smart Grid Gotland, Johan Soderbom, Vattenfall

11:55 Intelligent Substation, Michel Bena, RTE

12:20 Pacific Northwest project in USA. Ronald Belton, PNNL

12:45 Panel discussion on transmission and distribution controls interaction

13:15 Lunch Break

Session 3 Transmission and Distribution Policy – Design of new roles in a Smart Grid and Interaction of new players at distribution and transmission level

14:30 Balancing and Reserve Services from distribution and transmission level – EU Project eBadge, Christoph Gutschi, cyberGRID

14:55 EcoGrid Project, Example of Demand Response, Kjetil Uhlen, SINTEF

15:20 Consumer integration, Ludwig Karg B.A.U.M.

15:45 Discussion of new roles and the interaction of new player in the electricity system

Closing Remarks

16:15 Workshop conclusion and closing remarks, Helfried Brunner and Michael Hübner

16:30 End of Workshop

Logistics

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Workshop Venue: Salzburg AG, City of Salzburg, Austria, Bayerhammerstrasse 16,

It is proposed to arrive in Salzburg Sunday 12th of May afternoon/evening in order to enjoy the beautiful city of Salzburg and in particular to be able to start the workshop early on Monday 13th of May.

It is possible to fly in directly at airport Salzburg or to use the fast train connection between Vienna and Salzburg (travel time between Vienna Westbahnhof and Salzburg is 2 hours and 20 minutes).

There is also train available from Munich in Germany to Salzburg (travel time 1 hour and 30 minutes).

Please register on the enclosed registration form for the workshop. If you want to join the further activities within the Austrian Smart Grid Week 2013, please register separately at the following website: https://netconf.org/smartgrids/registration_e.aspx

Hotel Suggestions:

Hotel Mercure City: <http://www.accorhotels.com/gb/hotel-0984-hotel-mercure-salzburg-city/index.shtml> ,

Hotel Mercure Central: <http://www.accorhotels.com/de/hotel-5354-mercure-salzburg-central-ex-kapuzinerberg/index.shtml>

Contact data for registration and additional information:

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