

Asset Management/Koskinen Karri

28 November 2017

Suppliers' occupational safety group

Time	28 November 2017 9.00 am - 3.00 pm
Place	Fingrid Oyj Läkkisepäntie 21 00620 Helsinki
Present	Marko Elorinne, Eltel Networks Oy Mikko Hakala, TLT-Building Oy Kimmo Honkaniemi, Caverion Suomi Oy Juha-Matti Huhtanen, ABB Oy Toma Karkkulainen, Vattenfall Services Nordic Oy Markku Linnanen, Siemens Osakeyhtiö Timo Pekonen, Empower PN Oy Erkki Pusa, VEO Oy Jani Rintala, TMV Line Oy Pasi Lehtonen, Fingrid Oyj Karri Koskinen, Fingrid Oyj Suvi Lokkinen Fingrid Oyj (9.00-11.00) Kari Kuusela Fingrid Oyj (9.00-11.00) Antti Kivipuro, Fingrid Oyj (9.00-10.00)
Absent	Janne Ketola, Infratek Finland Oy

Matters to be dealt with

1 Meeting arrangements and introductions

Karri Koskinen acted as Chair and Secretary of the meeting. Meeting attendees introduced themselves at the beginning of the meeting.

2 Welcome to the suppliers' occupational safety group

Kari Kuusela bid the group members welcome, and thanked both the members and their companies for their contribution to the important issue.

Kari Kuusela reviewed the occupational safety situation at Fingrid sites, and stated that the targets had not been reached in 2017. The duty of the group is to help Fingrid's occupational safety on towards zero accidents. The intermediate target for 2018 is to achieve an accident frequency of under five.

Kari Kuusela emphasised that the use of personal protective equipment in accordance with requirements is part of professionalism and it must be used at Fingrid sites. Fingrid's penalties for the neglect of occupational safety will be further tightened.

3 **Competition legislation in the activity of the occupational safety group**

Antti Kivipuro went through the presentation: Competition act perspectives at Fingrid and its customer bodies.

Compliance with competition legislation in the activities of the Fingrid Advisory Committee, other committees and similar bodies - the guideline will be distributed to all group members. Each group member must read the content of the guideline and observe it in working group activities.

4 **The aims of the suppliers' occupational safety group**

A draft in the presentation of material about the aims of the group was reviewed, and the aims were agreed as follows:

Influencing safety attitudes in the sector

- To promote 'zero-accidents' thinking and a high level of occupational safety at Fingrid sites.

Sharing good practices in occupational safety

- The best occupational safety practices.
- Transferring 'quiet information' and maintaining professionalism at sites.

Sharing information about accidents and near-misses that have occurred

- Learning together about accidents and near-misses.
- Developing safety communication.

Handling requirements and policies concerning occupational safety at Fingrid sites

- Reviewing and commenting on new guidelines and rules.
- A common interpretation of guidelines and rules.
 - Harmonisation of suppliers' operations
 - The same rules for all.
- Influencing suppliers' guidelines.

Cooperation with authorities

- The preparation of sector-specific interpretations (if necessary in cooperation with other similar work groups, such as a peer group of the network sector) and discussion with authorities.

In discussion, topics also emerged which there was a desire to handle in the suppliers' occupational safety group:

- Additional earthing
- The fencing of cable trenches
- The demarcation of energised/de-energised areas
- A shared work place and construction site
- Lists of chemicals
- Fall protection plan

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- Using an excavator for installation hoisting
- Handing over a site from one contractor to another and transferring responsibilities

5 Occupational safety at Fingrid sites - Summary

Karri Koskinen reviewed the presentational material: Occupational safety at Fingrid sites - Summary. During the presentation, it was suggested that working hours reported to Fingrid be handled at site meetings and that, for the purposes of handling them, a standard item be entered in the minutes of the meeting.

During the presentation, safety observations were also discussed. For some suppliers, challenges arise from having to record observations twice, in both the supplier's and the client's system. The group discussed that it was difficult to get employees to make safety observations and record them. Employees find it difficult to report if a hazardous situation arises, for example as a result of doing something contrary to the rules. Employees must be made to understand that making observations is a positive thing, and it was stated that employees can be encouraged to report their hazard-related observations through constant education. The following suggestions were also made about increasing the number of observations:

- The more active handling of safety observations at site meetings. Fingrid's project managers should take care of this.
- Rewarding observations, for example by offering coffee and a bun.
- Fingrid representatives should also give feedback directly to those who make observations.
- A campaign about positive observations should be organised that rewards particularly positive safety observations.

At some suppliers, safety supervisors have made many safety observations. Safety supervisor practice was declared good and effective. It was hoped that safety supervisors would be considered for more projects than at present.

With regard to toolbox talks, it was hoped that Fingrid would provide a summary of the topics that should be covered in them. More material was required from Fingrid about holding toolbox talks. It was agreed that Fingrid may use suppliers' toolbox talk materials in the preparation of joint bulletins. When using suppliers' material, Fingrid will check from suppliers, for example by email, whether they can use the material in question. It was agreed that Karri Koskinen will add a NordSafety heading to the toolbox talks form.

It was generally stated that changes in work, plans, the work environment, etc. are often behind accidents.

6 Safety in working at height

Karri Koskinen reviewed the most significant causes of a fatal occupational accident that occurred in August 2017, and Fingrid's eight key measures to prevent similar accidents happening again.

Karri Koskinen presented a draft of the more stringent penalty practices. Suppliers were largely in agreement with the policy. Failure to wear high-visibility clothing got some suppliers thinking about whether this should be included as a serious violation. As an example, it was told that employees often leave their high-visibility jackets on the ground when climbing towers. On the other hand, there are also high-visibility T-shirts.

The group also discussed challenges in using the 'always attached' method on certain types of old towers, such as wooden towers and lattice structure towers with stepping pegs. At such locations, employee attitude is highly significant to the avoidance of taking shortcuts in the use of the 'always attached' method to speed up work.

The group discussed that there are fewer challenges in new-build construction than with old structures. In maintenance, it is important to know what towers there are in the maintenance area and how these towers can be climbed, attached to and moved on. In projects, occupational safety challenges are particularly caused by the dismantling of old transmission lines. In dismantling work, it is important for suppliers to acquaint themselves with information about the condition of the line and to ensure the safety of climbing at the location. In the opinion of suppliers, the planning of the dismantling of old lines is challenging, and they hoped that the required method of dismantling based on information about the condition of the line would be specified as early as the invitation-to-tender stage.

Suppliers were particularly interested in where induced voltage arises. It was stated that additional earthing rules are valid for all transmission lines. It was also discussed that additional earthing should be marked with visible identification, for example flags. It was stated that the additional earthing plan should always be in the possession of the person in charge of the site, and the location of additional earthing should always be known. It was also stated that there are many ways air to prepare additional earthing plans, and the method should always be familiar to the person preparing one.

It was stated that, when working on a main transformer at substations, the facility should have at least two persons trained in lowering an injured person and the equipment for doing so, if there was a possibility to lower somebody in a harness.

7 Occupational safety challenges and suggestions about matters to be dealt with at future meetings Timetable and agenda for the next meeting

It was agreed that Timo Pekonen will present the activity of the suppliers' occupational safety group at the Fingrid occupational safety seminar on 25 January 2018.

The matters to be handled at the next meeting and the persons to prepare them were agreed upon. It was agreed that there would be as many topics handled at the next meeting as possible, and that matters that could not be dealt with would be postponed until the next meeting:

1. Shared site practices/Timo Pekonen
2. The results of the occupational safety climate survey/Karri Koskinen
3. The use of hoisting equipment in installation hoists/Kimmo Honkaniemi
4. Dismantling work
 - a. On transmission lines/Mikko Hakala
 - b. At substations/Markku Linnanen
5. Working below and alongside live transmission lines/Jani Rintala
6. The use of a man cage
 - a. On transmission lines/Marko Elorinne
 - b. At substations/Juha-Matti Huhtanen