



IKT – International Contact Group (ICG)

Open discussion and conclusions

– What topics should be tackled by joint initiatives?

Conclusions from April 2017 Web conference

Based on the web conference meeting of the ICG on 5th of April 2017 the following five major topics have been identified for further action by IKT

- **CIPP and quality control**
- **sewer pressure pipes: operation and rehabilitation**
- **liquid soil/flowable backfill material**
- **sustainable management/asset management of sewer systems**
- **flushable wipes and sewer blockages**

Each of the actions will be supported by an International Advisory Board (IAB) that IKT is recruiting. If you are interested in participating in one or more of these IABs and/or support our actions please let us know by contacting:

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CIPP and quality control

Information is missing about CIPP-Lining on the international level – particularly an international market overview, product performance comparisons (e. g. different types of resistance) and information about some specific materials properties (e.g. long-term tests, 35°-temperature resistance).

Further investigations are necessary, e. g. common approaches and steps for quality control (planning, taking sample pieces, etc.) and different techniques for quality control.

IKT actions:

- Recruit International Advisory Board (IAB) on CIPP and other rehabilitation techniques (IAB CIPP)
- Hold workshops/web conferences on CIPP quality control (program to be discussed with IAB CIPP)
- Address further actions recommended/funded by IAB CIPP

Sewer pressure pipes: operation and rehabilitation

An Australian research project is examining new techniques of lining sewer and water pipes. There is interest in the long term behavior of plastic pipes.

IKT has conducted research on cleaning and inspecting pressure sewer pipes¹. Further research and comparative testing² is planned at IKT on renovation techniques for pressure sewer pipes.

IKT actions:

- Recruit International Advisory Board (IAB) on sewer pressure pipe rehabilitation (IAB SPP), accompanying an already funded IKT research project starting in 2018 (only additional costs for special requests by IAB have to be funded by IAB)
- Hold workshops/web conferences on SPP (program to be discussed with IAB SPP)
- Address further actions recommended/funded by IAB SPP

Liquid soil / flowable backfill material

There is a common interest in liquid soil/backfill materials for bedding and backfilling utility pipes and trenches. A new IKT-project will be launched in 2017 – a comparative test² on so called temporarily flowable and self-compacting filling materials.

IKT actions:

- Recruit International Advisory Board (IAB) on flowable backfill materials (IAB FBM), accompanying an already funded IKT research project starting in 2017 (only additional costs for special requests by IAB have to be funded by IAB)
- Hold workshops/web conferences on FBM (program to be discussed with IAB FBM)
- Address further actions recommended/funded by IAB FBM

Sustainable management / asset management of sewer systems

Sustainable management (including asset management) of sewer systems and wastewater structures is becoming more and more important. As a consequence, the International organization for standardization (ISO) has been developing a broad range of standards on topics like sustainable cities (ISO 268), smart community infrastructures (ISO 268/SC1) and asset management (ISO 224/WG6). IKT is involved in these developments.

¹ <http://www.ikt-online.org/wp-content/uploads/2016/06/ikt-rt-2016-05-pressure-sewer-pipes-inspection.pdf>

² The objective of IKT Comparative Tests is to provide network operators with reliable and independent information on the strengths and weaknesses of products and methods in sewer technology. IKT Comparative Tests are undertaken in collaboration with network operators who act as a steering committee during the testing project. A central aspect of IKT Comparative Tests is the practical product test, i.e. testing under construction or operating conditions.

IKT actions:

- Recruit International Advisory Board (IAB) on sustainable management of sewer systems (IAB SMS), accompanying IKT's work in international standardization on ISO level, e.g. with regard to actions and pilot projects of the committees ISO 268 and ISO 224.
- Hold workshops/web conferences on SMS (program to be discussed with IAB SMS)
- Address further actions recommended/funded by IAB SMS

Flushable wipes and sewer blockages

It seems necessary to exchange information and views about flushable wipes internationally (e.g. on national and international regulation and standards and voluntary initiatives). It is also important to understand how network operators are dealing with this problem in practice and share experience. Furthermore the problem of sewer blockages has often been discussed by network operators nationally and should be raised on international level.

IKT actions:

- Recruit International Advisory Board (IAB) on flushables and sewer blockages (IAB FSB), bringing together international experience on the topic, from national standards and regulation
- Hold workshops/web conferences on FSB (program to be discussed with IAB FSB)
- Address further actions recommended/funded by IAB FSB

Additional topics discussed

- **Microplastics pollution and countermeasures** (e.g. waste water treatment),
- **House connections: inspection and renovation,**
- **Injection methods,**
- **Manhole rehabilitation,**
- **Heat exchange systems for waste water,**
- **Large-scale projects for storm water/rain water sewers**

The next web conference meeting of the ICG will be held on

21st of November 2017, 8:00 UTC (60 minutes)

(3 am New York - 8 am London - 9 am Berlin – 4 pm Singapore - 5 pm Tokyo,
please check your local time, UTC is relevant)