



Randouth Tillery
Head of Academy

Randouth Tillery have been involved in major projects for the deployment of IP based service to the TV platform in the Scandinavian region. Specifically; Interactive services, IP multicast service SD/HD for IPTV and CATV as well as VoD distribution. Randouth Tillery is a Bachelor of Science and have a degree in Computer Engineering with 18 years of IT professional experience.

The Bridge Technologies Academy is a series of training courses designed to help users of the VideoBRIDGE digital TV monitoring system get the maximum benefit from end-to-end fault tracking and performance analysis in the digital media delivery chain. The Academy is headed by Randouth Tillery, a veteran of digital and interactive TV operations management at Telenor, Zonavi and Canal Digital.

Developed in response to demand from digital media operators, the Bridge Technologies Academy will provide technical personnel with the multi-disciplinary operational expertise necessary for complete understanding of the entire digital TV delivery chain, and the VideoBRIDGE advanced monitoring environment.

Training courses will be scheduled through regularly and provided at Bridge Technologies' Oslo headquarters using a complete on-site transmission chain created for training and testing, or by arrangement at the operator's facility.

"In over five years' operational experience with the VideoBRIDGE system in commercial environments, I've experienced the enormous value to operators of this industry-leading monitoring tool," says Randouth Tillery.

"The digital TV delivery chain is highly complex and comprises many different technologies, and it's crucial that engineers and system designers have the best possible understanding of both the broadcast and IP domains, and the interactions between them.

These courses will deliver that expertise, based on long experience of real-world commercial use of IP in broadcasting and interactive media delivery. Just as there has been a lack of end-to-end monitoring solutions for digital TV until recently, there is also a lack of training opportunities where engineers and maintenance staff can acquire both the overview and the detailed knowledge they need. With these courses, customers can now acquire that expertise directly from Bridge Technologies."

Course content includes:

- Fundamentals
- The transport stream, IP protocol stack
- IPTV protocol mappings
- Relevant standards, unicast vs. multicast, IGMP
- Digital TV measurement techniques
- General considerations, standards
- What to measure, where to measure
- Packet drops, packet jitter
- Common network/ video problems
- Case studies, inter-arrival time, jitter robustness
- Stuffed versus unstuffed streams
- The MediaWindow™
- Product training
- Probes, extractor; generator; VBC

The VideoBRIDGE system is the first true headend to set-top box monitoring solution available in the industry and includes a full range of IP Probes for analysis at any point in the chain from satellite to set-top box. The award-winning VideoBRIDGE series of probes offers an innovative approach to monitoring and analysis of converging services employing stream-based IP packets.

Compatible with all major stream-based industrial standards such as MPEG-2, H.264/AVC, and DVB/ATSC - ETSI TR 101 290, the VideoBRIDGE series offers a complete end-to-end system for the continuous quality assurance of a network. With full support of the innovative MediaWindow™ (patented), the VideoBRIDGE series is at the forefront of digital TV measurement, monitoring, and analysis technologies.



The Bridge Technologies Academy classes provides advanced training and operational consulting for existing operations and pre-deployment projects.

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