

DTCP for IP



Digital Transmission
Licensing Administrator

DTCP-IP Requirements

Enhancements requested by Content

Participants include:

- Address anonymous wireless connectivity for protected content
- Impede transmission of DTCP protected content beyond home network
- Enhance localization of DTCP protected transmission for high density environments
- Meet emerging threats, such as encapsulation, over all interfaces

DTCP-IP Enhancements

- WEP (or designated successor) required for 802.11; similar cryptographic protocols to be specified for other wireless IP transports
- TTL field in IP header set to 3
- DTCP Sink Limitation reduced to 34 sink devices
- 128 bit AES used as content cipher for IP transports
- Commitment to address emerging threats such as encapsulation of content
 - “Work Plan” to determine RTT or other means

Next Steps

- Adopters will be sent notices of proposed Spec changes
- DTLA will convene Content Protection Implementers Forum for DTCP Adopters to provide feedback on the specification in conjunction with the October CPTWG meeting
- DTCP-IP specification supplement (informational version) available shortly on <http://www.dtcp.com>