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## Further Progress on Internet Fax Extended Mode

### ITU and IETF Complete Draft Documents

The fax industry is moving quickly toward adopting a new set of standards for Internet fax via email that will provide new higher levels of service. The Internet Engineering Task Force has been developing documents for an extended mode of Internet fax throughout the latter part of 1998. In turn, the ITU-T Study Group 8 Internet fax experts have also agreed on a timetable to amend the T.37 recommendation in order to provide support for a "full mode". The extended or full mode builds on standards for an Internet fax "simple mode" that were approved during 1998 within the IETF and the ITU. Our coverage of these events begins at the October 1998 TR-29 meeting and then continues with a review of results at the November meeting of ITU-T Study Group 8, the December meeting of the IETF and subsequent IETF activities.

### Store and Forward Internet Fax Developments at TR-29

At the October TR-29.1 meeting in Arlington, Virginia, James Rafferty of Human Communications introduced a set of the current Internet drafts for extended Internet Fax from the IETF. Some of these documents are being considered for reference with T.37. Document 98-10-56 from Larry Masinter on terminology and goals for Internet fax has stabilized and will be submitted for publication as an informational RFC by the IETF Fax working group. Document 98-10-57 on Extended Facsimile Using Internet Mail (from Dan Wing and Larry Masinter) is the core draft for the extended fax work. It includes procedures on confirmation of receipt using Disposition Service Notifications (DSN) for delivery and Message Disposition Notices (MDN) for processing confirmation. It also includes procedures on store and forward capabilities negotiation for Internet fax which have been recently developed by the working group. Document 98-10-58 from Dan Wing is a draft on Indicating Supported Media Features Using Extensions to DSN and MDN. The MDN and DSN messages are proposed as a mechanism for the reporting of media features supported by an Internet fax full mode recipient. Document 98-10-59 on a Content Feature Schema for Internet Fax (from Lloyd McIntyre and Graham Klyne) provides a specification which defines a series of feature tags that can be used to represent the capabilities supported by Internet fax senders and recipients. The framework for the tags is based on the work of the IETF Content Negotiations working group. This is the most recent of the core documents for the IETF definition of the extended/full mode, so that additional comments are welcome. Document 98-10-60 on Internet Fax T.30 Feature Mapping is a companion to the fax feature schema document. The focus of the T.30

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