

IEEE1394 IP Products Roadmap

Like many other companies DapTechnology recognized the growing need for 1394 transaction speed exceeding the 800 Mbps barrier. Driven mainly by bandwidth rich applications in the video and audio arena even with the current industry standard of 800 Mb/s, there are restrictions in the amount of video data that can be transmitted, especially when dealing with high-resolution, uncompressed video streams. While quite common and generally accepted in the consumer video arena (MPEG or DV video compression) in practically all industrial, medical, scientific and avionics applications, lossy compression algorithms are not usable and the size of video data streams is constantly increasing. Likewise, the number of simultaneously transmitted streams is rising as well for typical applications. Unfortunately for several years 800 Mbps had been the fastest available speed as no commercial silicon was available to go beyond it.

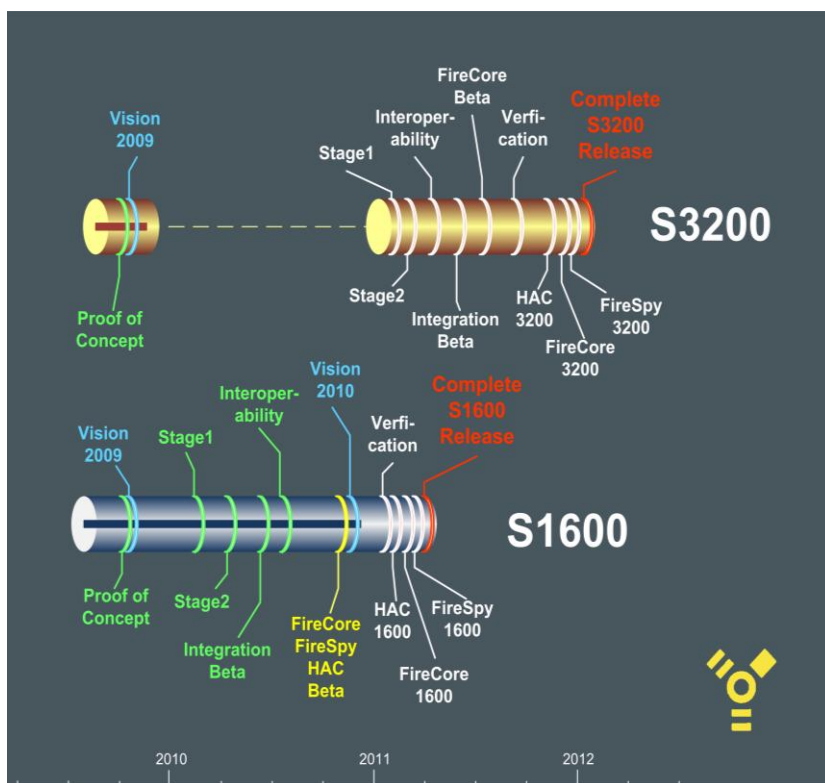
With the development of its S1600 solutions and products DapTechnology has now addressed this industry shortcoming. 1600 Mbps speeds are now available and can enable a new generation of bandwidth rich devices like high resolution, no-compression video cameras, high performance security systems, video enabled industrial and automotive control systems, etc.

DapTechnology's IP solutions with support for S1600 are now in Beta stage. Dap has engaged with a select group of strategic customers for an early testing and integration program. With splendid initial results DapTechnology is convinced to release the final "S1600 solution suite" (IP core for embedded device development, prototype platform, Host adapter card with Software stack and analysis instrumentation) towards the end of Q1 2011.

Following that milestone Dap-Technology will shift focus and proceed with the S3200 development. A proof of concept was already demonstrated during Vision2009 and with many building blocks usable from the S1600 development having a full release available in Q1 2012 is very realistic.

DapTechnology wants to encourage interested parties to join in on this very exciting new era for 1394! If your product requires a reliable, standardized and well supported high-speed digital interface then IEEE1394 and DapTechnology's IP solutions are a good place to jumpstart this process. When time-to-market is of essence we suggest joining in and becoming an integration partner!

Please contact DapTechnology B.V. or DapUSA Inc. directly to discuss details for this exciting new product line.



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