



Scaleable Intelligent Video Server System

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² **CO** = Confidential (only for members of the consortium + EC); **RE** = Restricted to a stated circulation list (+ EC)
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1 INTRODUCTION

This document discusses the standards bodies involved and potential contribution to emerging communication standards of the SIVSS work and achievements. The actual standards bodies are defined in the Summary Table below.

2 SUMMARY TABLE

The consortium partners in the table below are involved in standardisation work that is related to the SIVSS technologies

Partner	STD body	Committee	Impact SIVSS	Comment
Xyratex	ASI-SIG	ASI Technical Work Group	None as yet PCI Express advanced switching	
	CM	Congestion Management Committee	ditto	Too early in process to have gained result
Grass Valley	SMPTE	N26, File Management & Networking Technology	Extensions to the DPX Standard SMPTE 268M	Society of Motion Pictures and Television Engineers, ongoing
	SMPTE	W25, Wrapper and Metadata Technology	Contributions to MXF standardization (MXF Mastering)	ditto
O-Mass	U28	Linear Tape open std	Impact on standard LTO-1 and LTO-2	Used by SIVSS WP 11
	U316	Linear Tape Open standard	Impact on standard LTO-1 and LTO-2	Used by SIVSS WP 11
HiStor	OAIS	ISO standard	A standard approach to organise video data and metadata for long term archiving	More information about OAIS model on: http://en.wikipedia.org/wiki/OAIS

3 XYRATEX PARTICIPATION

3.1 Overview of Relevant Standards

PCI Express Advanced Switching.

3.2 Standards Bodies

ASI-SIG

3.3 Xyratex Participation in Standards Committees

Xyratex was a member of the Board of Directors of the ASI-SIG, a member of the Technical Workgroup (TWG) and also the Congestion Management Committee (CM). Additionally Xyratex maintained a watching brief and had occasional participation in most areas of the standards development.

Key personnel involved were Will Leonard EVP, Ian D Johnson, Chief Scientist and Finbar Naven, Senior Architect.

3.4 List of Meetings attended.

Throughout the larger part of the SIVSS project Xyratex attended the weekly TWG teleconferences and also the separate but parallel running CM committee meetings held in the United States.

In addition there were numerous face to face meetings involving both the TWG, CM Committee and also various industrial and academic meetings to progress matters.

The major biannual meetings were at the Intel Developers Forum which takes place in San Francisco with interim TWG face to face meetings on both the east and west coasts of America.

Within the various Committees industrial partners would also meet separately to create initiatives, to solve problems and to prepare presentations for acceptance by the approval process.

3.5 The List of Relevant Standards

PCI Express Advanced Switching

3.6 Discussion of the emerging standards

PCI Express advanced switching was an Intel initiated standardisation activity which garnered support from all the major industry players, at its peak it had over one hundred companies and organisations subscribed. It attracted almost all of the tier one companies such as IBM, SUN, AMD, CISCO and also had much support from many second tier and also

start-up companies.

Xyratex personnel worked diligently to introduce RECN into the ASI-SIG and were successful in that during the first half of '06 an agreement was reached with the TWG leaders that when the backlog of activities was complete then RECN would be introduced into the standard.

Unfortunately Intel withdrew their support for the standard and during the third quarter of '06 all standardisation activity ceased and the ASI-SIG was shut down.

3.7 minutes from standards meetings

Full and detailed records were kept on the ASI-SIG server systems.

4 GRASS VALLEY PARTICIPATION

Active contributions were made in the following standards committees of the Society of Motion Pictures and Television Engineers (SMPTE):

- N26 Committee on File Management & Networking Technology
- W25 Committee on Wrapper and Metadata Technology

5 O - MASS PARTICIPATION

O-Mass through its mother company Tandberg Storage has a continuous ongoing activity within the tape drive standards bodies. For the products involved LTO-1 and LTO-2 with SIVSS technologies:

The Linear Tape Open Standard is the relevant standard

Employees from O-Mass and Tandberg Storage hold membership in the standards committees.

6 HISTOR PARTICIPATION

HiStor is involved on a continuous basis in the OAIS standards body, which is an ISO standard.

The standards body works on a standard approach to organise video data and metadata for long term archiving of data. The SIVSS work has been included in the standards body participation during the SIVSS project