

ATSC Specialist Group on RF Transmission (TSG/S9) Work Plan and Schedule

1. SCOPE OF WORK

TSG/S9 analyzes issues and develops technical documents related to terrestrial RF transmission and reception. Current activities include consideration and development of both compatible and non-compatible enhancements to VSB modulation (as standardized in ATSC A/53) that address existing and emerging requirements for DTV. As a basis for this work, TSG/S9 considers broadcaster requirements as defined by the Task Force on RF System Performance, and market and technical input from the CEA and other industry sources. The goal of this effort is to develop specifications for consideration as a new standard or as a revision of existing ATSC standards. TSG/S9 coordinates with other ATSC specialist groups as required.

2. OBJECTIVE OF THE WORK

TSG/S9 current goals and objectives include the following:

- Examine proposed enhancements to 8VSB
- Maintain ATSC standards that involve RF transmission

3. WORK PLAN MILESTONES

The work plan and schedule for the Specialist Group on RF transmission is shown in the following table.

Item Number	Task	Completion Date	Comments
1	Monitor progress of proponents developing VSB enhancements		As required
2	<i>Disclosure docs. available from A-VSB proponents</i>	3/13/06	<i>Received 4/4/06; submitted to S9 6/13/06</i>
3	<i>Review of A/53C partitioning</i>	5/17/06	
4	<i>S9 assessment of A-VSB disclosure document</i>	11/27/06	
5a	<i>A-VSB verification plan development - lab</i>	10/9/06	
5b	<i>A-VSB verification plan development - field</i>	3/21/07	<i>Original compl. dates – 8/9/06, 9/30/06, 1/07</i>
6a	<i>A-VSB verification testing, report - lab</i>	October 2007	<i>Original compl. dates – 10/31/06, 2/07</i>
6b	<i>A-VSB verification testing, report - field</i>	November 2007	<i>Original completion date – 11/31/06</i>
10	<i>Liaison/coordinate with IEEE on 8-VSB power measurement recommended practice</i>	October 2007	<i>Document now adopted.</i>
7	Evaluation and recommendation of S9 on standardization of A-VSB	SUSPENDED 10/30/07	Original compl. dates – 10/31/06, 12/31/06, April 2007; will seek input from TSG on status of this item (8/07)
8	A-VSB Standards documentation (draft)	SUSPENDED 10/30/07	Original completion date – 12/31/06, 3/1/07, July 2007; will seek input from TSG on status of this item (8/07)
9	Prepare corrigendum of informative wording improvements for A/53 Part 2	March 2008	Original completion dates – 12/06, 3/07, August 2007, January 2008
11	Update A/64	February 2008	Expect to be submitted to TSG for discussion at 2/6/08 meeting

3.1 Notes

- 1) Bold text indicates revisions since immediately preceding version of work plan
- 2) Gray shading indicates completed work item

4. REVISION HISTORY

- 1) Original – 12/9/2004
- 2) Revision r2 – 4/11/2006
- 3) Revision r3 – 6/21/2006
- 4) Revision r4 – 8/11/2006
- 5) Revision r5 – 11/27/2006
- 6) Revision r6 – 8/30/2007
- 7) Revision r7 – 10/9/2007
- 8) Revision r8 – 12/17/07