

Multispectral & Hyperspectral Data Compression Working Group
May 2011 Meeting Agenda
(Draft of April 28, 2011)

May 16 (MON)

PM 13:30–17:00

- Proposed revisions to 121B standard (action items MHDC-A-1010-15, -16; Refer to attachments in March 24, 2011 email from Penshu Yeh)
- Errata on 122B compression standard
- *Lossless Multispectral & Hyperspectral Image Compression* Green Book: review and revise outline (MHDC-A-1010-8, -9)

May 17 (TUE)

AM & PM 8:45–12:00 & 13:30–17:00

- Discussion of lossy compression approaches
- Carole Thiebaut, Overview of lossy compression results, (MHDC-A-1010-12)
- Shen-En Qian, VQ approaches for lossy hyperspectral image compression (MHDC-A-1010-13)
- Enrico Magli, “Predictive lossy compression of hyperspectral data” (MHDC-A-1010-14) (see CWE Private / Concept Papers / magli_OBPDC_2010)
- Joan Serra-Sagrista, Pairwise Orthogonal Transform (see CWE Private / Concept Papers / 2010_10-IEEE-TGRS-POT.pdf)

May 18 (WED)

AM & PM 8:45–12:00 & 13:30–17:00

- Continued discussion of lossy compression approaches
- Review images in the test set to be used for lossy evaluation (especially considering new pushbroom hyperspectral images introduced in May 2010)
- Continued discussion of Green Book (time permitting)
- Red Book 123: status update and RID resolution plans (MHDC-A-1010-7) and cross-verification plans (MHDC-A-1010-1)
- Review distribution limits on images in the test set (MHDC-A-1010-10)
- Wrap up, assign new action items