IEEE P1685 Working Group

Meeting Minutes  
28 October 2021 / 10:00 AM – 11:30 AM (EDT)  
Teleconference (Teams Video Conference ID: 123 402 925 5)

1. Call to Order
   1. *Erwin de Kock, WG Chair, calls the meeting to order at 10:05 AM EDT*
2. Roll Call and Disclosure of Affiliation

*Affiliation FAQs:* [*http://standards.ieee.org/faqs/affiliation.html*](http://standards.ieee.org/faqs/affiliation.html)

* 1. *John Blyler (Accellera, DR)  
     David Courtright (AMD, DR)  
     Jean-Michel Fernandez (Arterix, DR)  
     Gregoire Avot (Arteris, DRA)  
     Eyal Herzberg (Cadence, DR)   
     Li Jun (Couldwalk, DR)  
     Michael Velten (Infineon, DR)  
     Kamlesh Pathak (Intel, DR)  
     Scott Venier (NVIDIA, DR)  
     Erwin de Kock (NXP, DR)  
     David Cheng (Qualcomm, DR)   
     Thomas Burg (ST, DR)  
     Mark Noll (Synopsys, DR*

1. Approval of Agenda
   1. *Thomas Burg moves a motion to approve the agenda.  
      Mark Noll seconds the motion.  
      Erwin de Kock (WGC) asks if anyone objects to unanimous consent of the motion.  
      No objection, hence, the agenda is approved.*
2. Approval of Previous Meeting Minutes
   1. [2021-10-14-minutes.docx](https://ieee-sa.imeetcentral.com/p1685/folder/WzIwLDEzNzk3NjAyXQ/WzIsODEzNzE5NDJd/)
   2. *Mark Noll moves a motion to approve the minutes.  
      Thomas Burg seconds the motion.  
      Erwin de Kock (WGC) asks if anyone objects to unanimous consent of the motion.  
      No objection, hence, the minutes are approved*
3. IEEE SA Patent & Copyright Policies  
   Call for Patents <https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.pdf>

Copyright <https://standards.ieee.org/ipr/copyright-materials.html>

1. *Erwin de Kock (WGC) made a call for potentially essential patents; no one raised concerns for consideration*
2. *The copyright policy was presented. There were no questions or concerns*
3. Unfinished Business/Action Item Review
   1. [Tracking of attendance and eligible voters](https://ieee-sa.imeetcentral.com/p1685/folder/WzIwLDEzNzEwMzA1XQ/WzIsNzQ1OTA1NjNd/)
      1. All 14 entity members have voting rights.
   2. Reminder to join Balloting Group
      1. David Courtright will take action to join Balloting Group.
      2. John Blyler will align with Lynn Bannister wherher or not to join.
   3. Actions on [WG comments](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsNzc3NzA5MDFd/w-ReviewCommentsOnAccelleraIPXACTWGContribution) on [draft](https://ieee-sa.imeetcentral.com/p1685/folder/WzIwLDEzNzk3Nzk1XQ/WzIsODEwMzM4NTdd/) (PDF) submitted for MEC review
4. [Comment 34](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODA5OTc3MTZd/w-Comment34ExternalPortReferenceAndPortPresence) ExternalPortReference and port presence --- ACTION POINT GRËGOIRE
   1. Gregoire Avot will provide a proposal for a SCR
5. [Comment 39](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODEwMjU1OThd/w-Comment39PhysicalPortRestrictions) Physical port restrictions --- ACTION POINT GRÉGOIRE
   1. Erwin de Kock will organize separate meetings with sub group to discuss these SV issues.
6. [Comment 47](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODEwMzU0ODFd/w-Comment47ConsecutiveBitsSelectionAndArrayOfSvInterface) Consecutive bits selection and Array of SvInterface --- ACTION POINT ERWIN
   1. Erwin de Kock will organize separate meetings with sub group to discuss these SV issues.
7. [Comment 48](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODEwMzkxNTNd/w-Comment48PortDriverViewRefAndC27) port driver viewRef and C.27. --- CLOSED
8. Technical Presentation(s), Contribution(s) or Discussion(s)
   1. [MEC review comments](https://ieee-sa.imeetcentral.com/p1685/folder/WzIwLDEzNzk3Nzk1XQ/WzIsODE0MzY3Mzld/)
9. Not Discussed.
   1. Discuss [WG comments](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsNzc3NzA5MDFd/w-ReviewCommentsOnAccelleraIPXACTWGContribution) on [draft](https://ieee-sa.imeetcentral.com/p1685/folder/WzIwLDEzNzk3Nzk1XQ/WzIsODEwMzM4NTdd/) (PDF) submitted for MEC review
10. [Comment 40](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODEwMjYzNDVd/w-Comment40HierachicalSVInterfaceAndIsIO) Hierachical SV interface and isIO --- OPEN
    1. Erwin de Kock will organize separate meetings with sub group to discuss these SV issues.
11. [Comment 45](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODEwMzE0ODZd/w-Comment45VerilogToSystemVerilogConnection) Verilog To SystemVerilog connection --- OPEN
    1. Erwin de Kock will organize separate meetings with sub group to discuss these SV issues.
12. [Comment 46](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODEwMzE3Njld/w-Comment46IsIOPortReferenceIgnoreModport) isIO port reference ignore modport --- OPEN
    1. Erwin de Kock will organize separate meetings with sub group to discuss these SV issues.
13. [Comment 50](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODEwMzkyNTZd/w-Comment50DefaultValueForPort) Default value for port --- ACTION POINT ERWIN
    1. Erwin de Kock will suggest a location to add the table to the document
14. [Comment 56](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODEwNDQ1OTJd/w-Comment5661312MemoryRemapmodeRef) 6.13.1.2 memoryRemap.modeRef
    1. John Blyer to make editorial changes.
    2. Defer discussion on remap modeRef priorties.
    3. Defer discussion on alternateRegister modeRef priorities.
    4. Erwin de Kock will organize separate meetings with sub group to discuss these memory map and mode related issues
15. [Comment 57](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODEwNDQ2MTJd/w-Comment5761442cAlternateRegistermodeRefIsUnclear) 6.14.4.2.c alternateRegister.modeRef is unclear
    1. Erwin de Kock will organize separate meetings with sub group to discuss these memory map and mode related issues
16. [Comment 58](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODEwNDQ2MTNd/w-Comment5861592DomainTypeDefTypos) 6.15.9.2 domainTypeDef typos
    1. John Blyler to make editorial changes.
17. [Comment 59](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODEwNDQ2MzVd/w-Comment59C22AccessPolicies) C.2.2 accessPolicies
    1. Erwin de Kock will organize separate meetings with sub group to discuss these memory map and mode related issues
18. [Comment 60](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODEwNDQ2MzZd/w-Comment60C132GTypo) C.13.2 g) typo
    1. John Blyler to make editorial changes.
19. [Comment 61](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODEwNDQ4MTVd/w-Comment61NoUnitAttributesInSingleShotDriver) No unit attributes in singleShotDriver.
    1. Defer discussion on units. Possible Schema change
20. [Comment 62](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODEwNTY1MTFd/w-Comment62NamespaceInAttributeResolve) Namespace in attribute resolve
    1. Not discussed..
21. [Comment 63](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODEwNzc2NjJd/?&pgref=) F.4 - replace addComponentBusInterface
    1. John Blyler to make editorial changes.
22. [Comment 64](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODEzNzQ2Njdd/w-Comment64AFieldWithFieldDefinitionRefCannotBeAnAlias) A field with fieldDefinitionRef cannot be an alias
    1. Not discussed
23. [Comment 65](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODEzNzQ4Njld/w-Comment65NetlistingRules) Netlisting rules
    1. Not discussed
24. [Comment 66](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODEzNzUwNzVd/?&pgref=) Update Participants member list
    1. John Blyler to make editorial changes.
25. [Comment 67](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODE0MTk1MDZd/w-Comment67UpdateTGIToSupportDefaultValues) Update TGI to support default values
    1. Not discussed
26. [Comment 68](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODE0MjEzMzBd/w-Comment68Equation38CanBeSimplified) equation (38) can be simplified
    1. John Blyler to make editorial changes.
27. [Comment 69](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODE0MjE0Nzld/w-Comment69RemoveEnumerationDefinitionRefAndAddBankDefinitionRefInSCR133) remove enumerationDefinitionRef and add bankDefinitionRef in SCR 1.33
    1. John Blyler to make editorial changes.
28. [Comment 70](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODE0MjE1Njld/w-Comment70RemoveEnumerationDefinitionRefAndAddBankDefinitionRefInSCR134) remove enumerationDefinitionRef and add bankDefinitionRef in SCR 1.34
    1. John Blyler to make editorial changes.
29. [Comment 71](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODE0MjE1OTFd/w-Comment71RemoveEnumerationDefinitionRefAndAddBankDefinitionRefInSCR135) remove enumerationDefinitionRef and add bankDefinitionRef in SCR 1.35
    1. John Blyler to make editorial changes.
30. [Comment 72](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODE0MjE2OTld/w-Comment72NewSCRForAccessRestrictionsModeRef) new SCR for accessRestrictions modeRef
    1. John Blyler to make editorial changes.
31. [Comment 73](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODE0MjE4MjBd/w-Comment73SCR722723ShouldUseTypeDefinitionsChildr) SCR 7.22/7.23 should use typeDefinitions childr
    1. John Blyler to make editorial changes.
32. [Comment 74](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODE0MjY3MDld/w-Comment74TypoInModeDescription) typo in mode description
    1. John Blyler to make editorial changes.
33. [Comment 75](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODE0Mjc4NjZd/w-Comment75MemoryMapIsMissingInThePossibleContainersOfAddressBlock) memoryMap is missing in the possible containers of addressBlock
    1. John Blyler to make editorial changes.
34. [Comment 76](https://ieee-sa.imeetcentral.com/p1685/doc/WzIsODE0MjgwNDFd/w-Comment76BroadcastToCannotReferAFieldDefinition) broadcastTo cannot refer a fieldDefinition
    1. John Blyler to make editorial changes.
35. [Comment 77](https://ieee-sa.imeetcentral.com/p/aQAAAAAE2qUy) numbering in bankBase description
    1. John Blyler to make editorial changes.
36. [Comment 78](https://ieee-sa.imeetcentral.com/p/aQAAAAAE2qlE) cpu still associated with address spaces
    1. John Blyler to make editorial changes.
37. [Comment 79](https://ieee-sa.imeetcentral.com/p/aQAAAAAE2sN0) typo in equation (24)
    1. John Blyler to make editorial changes.
38. [Comment 80](https://ieee-sa.imeetcentral.com/p/aQAAAAAE2sQD) Incorrect references
    1. John Blyler to make editorial changes.
39. [Comment 81](https://ieee-sa.imeetcentral.com/p/aQAAAAAE2tIG) typo in 6.7.5.1
    1. John Blyler to make editorial changes.
40. [Comment 82](https://ieee-sa.imeetcentral.com/p/aQAAAAAE2tbi) mode in remapAddress is not consistent with global mode management
    1. , 82 Erwin de Kock will organize separate meetings with sub group to discuss these memory map and mode related issues.
41. New Business
    1. *No new business was stated*
42. Future Meetings
    1. No meeting Nov 11 due to European holiday
    2. No meeting Nov 25 due to US Thanksgiving holiday
    3. Dec. 9, 10:00-11:30 AM EST
43. Second Roll Call
    1. *John Blyler (Accellera, DR)  
       David Courtright (AMD, DR)  
       Jean-Michel Fernandez (Arteris, DR)  
       Gregoire Avot (Arteris, DR)  
       Eyal Herzberg (Cadence, DR)   
       Li Jun (Couldwalk, DR)  
       Michael Velten (Infineon, DR)  
       Kamlesh Pathak (Intel, DR)  
       Scott Vernier (NVIDIA, DR)  
       Erwin de Kock (NXP, DR)  
       David Cheng (Qualcomm, DR)   
       Richard Weber (Semifore, DR)   
       Thomas Burg (ST, DR)  
       Mark Noll (Synopsys, DR*
44. Adjourn
    1. *Eyal Herzburg moves to adjourn.  
       Erwin de Kock, WG Chair adjourned the meeting at 11:30 AM EDT.*
    2. *Minutes Posted by Erwin de Kock, WG Chair, and Richard Weber, WG Secretary.*