TSG-RAN Working Group 1 AH21 **TSGR1(00)0836**

Espoo, Finland, June 14 ~ 15, 2000

Agenda Item: AH21
Source: CWTS
To: TSG RAN WG1
Title: Midamble and Channelisation Code association
Document for: Discussion and Approval

Introduction

In sub-clause 7.2.2.3 'training sequence for spreading burst' of TR25.928, the midamble generation for low chip rate TDD is described. And in sub-clause 7.2.5 'midamble allocation for physical channel', the principle for the midamble allocation for low chip rate TDD is common with high chip rate TDD option. This paper is to provide the default allocation for fixed association between midamble and channelisation code.

Conclusion

It is proposed to discuss and include the following text in sub-clause A3 of section 7 in TR25.928.

---------- changes to TR25.928 begin ----------

A.3 Association between Midambles and Channelisation Codes

The following mapping schemes apply for the association between midambles and channelisation codes if no midamble is allocated by higher layers. These associations apply both for UL and DL.

A.3.1 Association for K=16 Midambles

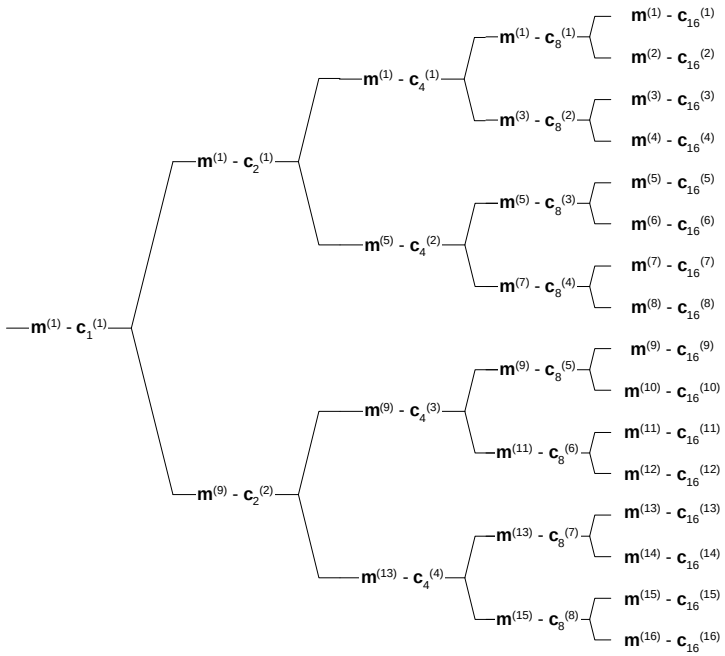

Figure A-1: Association of Midambles to Spreading Codes for K=16

A.3.2 Association for K=8 Midambles

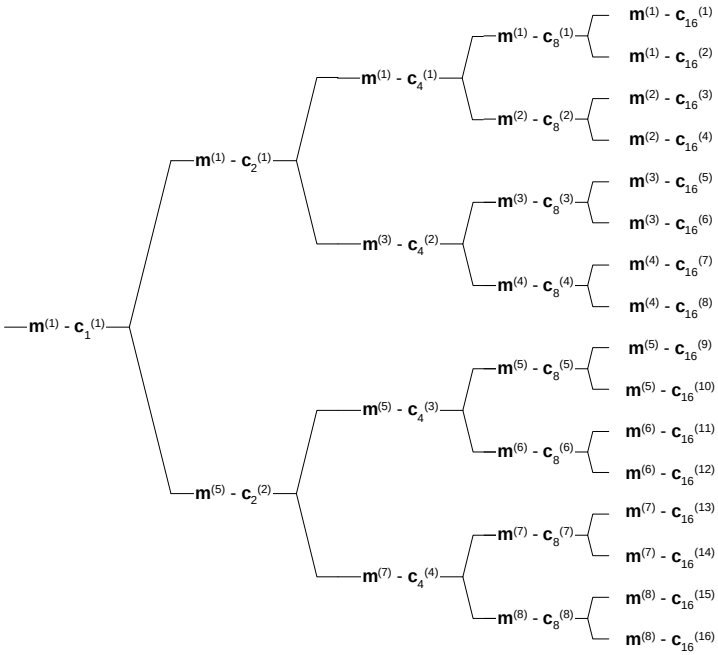

Figure A-2: Association of Midambles to Spreading Codes for K=8

A.3.3 Association for K=4 Midambles

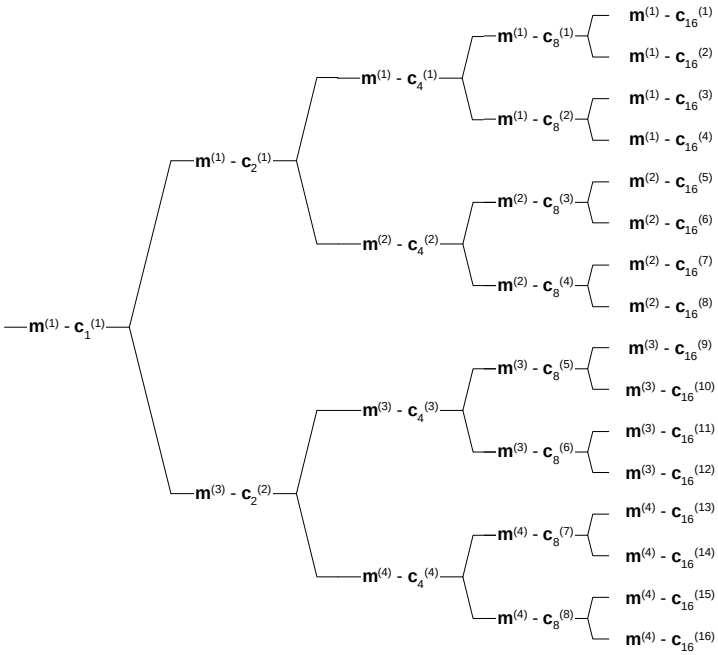

Figure A-3: Association of Midambles to Spreading Codes for K=4

A.3.4 Association for K=2 Midambles

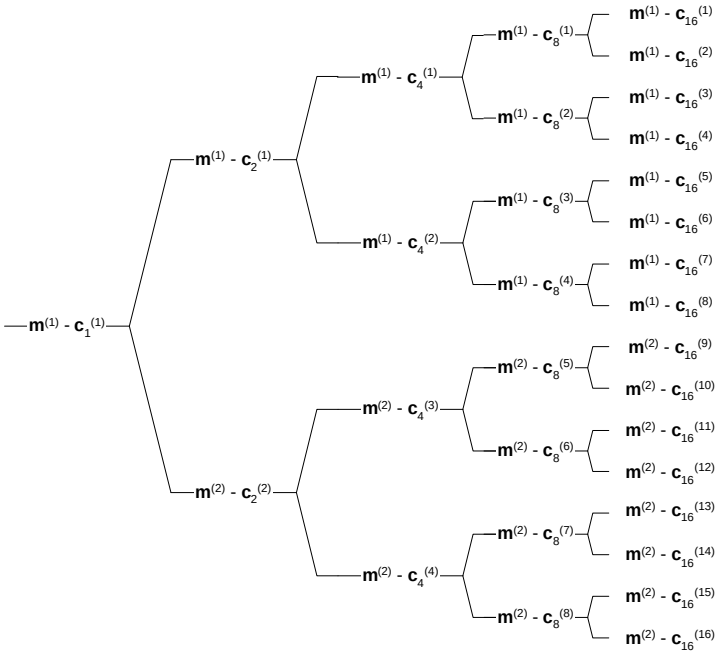

Figure A-4: Association of Midambles to Spreading Codes for K=2

A.3.5 Association for K=14 Midambles

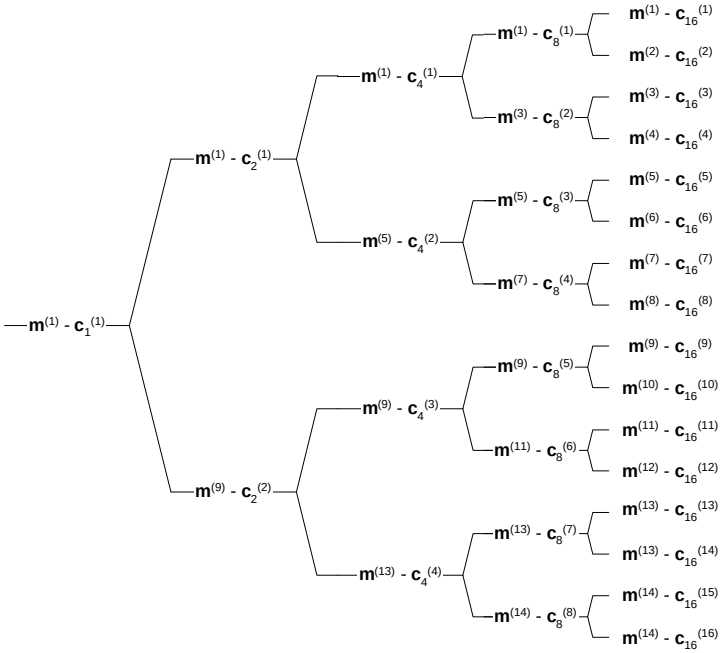

Figure A-5: Association of Midambles to Spreading Codes for K=14

A.3.6 Association for K=12 Midambles

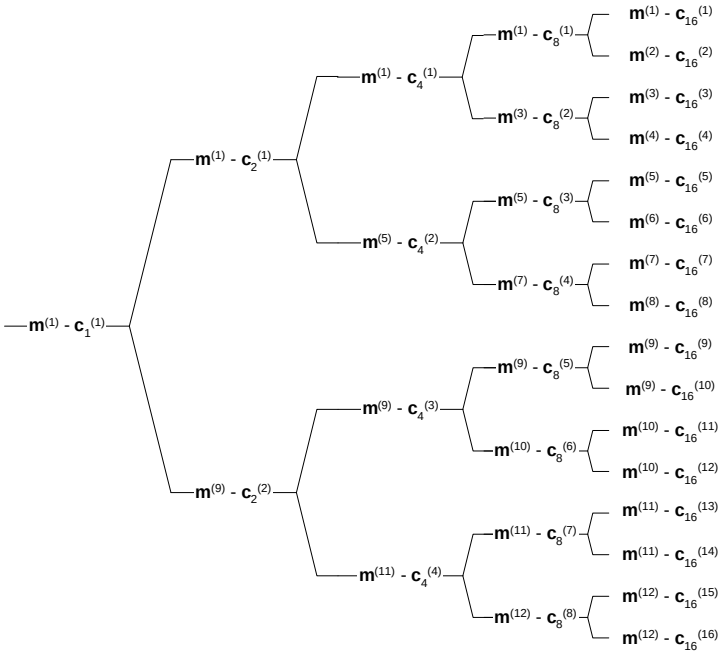

Figure A-6: Association of Midambles to Spreading Codes for K=12

A.3.7 Association for K=10 Midambles

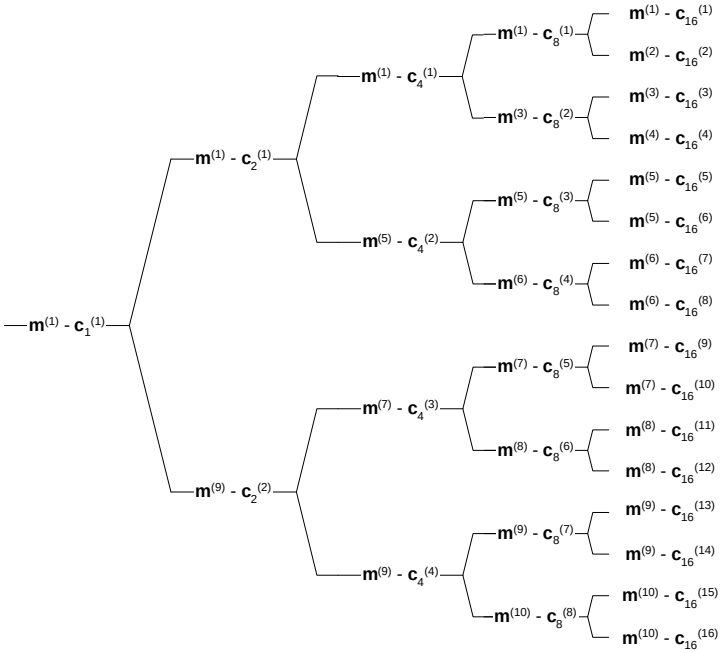

Figure A-7: Association of Midambles to Spreading Codes for K=10

A.3.8 Association for K=6 Midambles

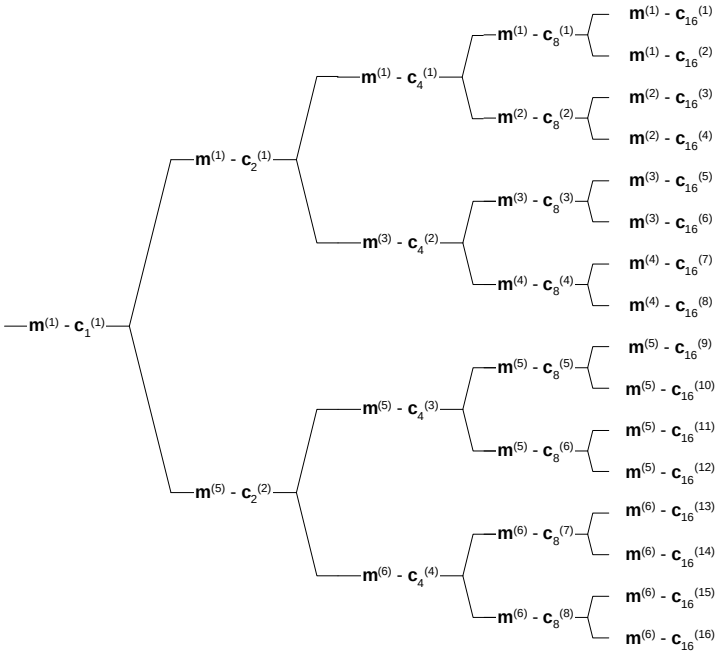

Figure A-8: Association of Midambles to Spreading Codes for K=6

---------- changes to TR25.928 end ----------