

TSG-RAN Meeting #12
Stockholm, Sweden, 12-15, June, 2001

RP-010340

Title: Agreed CRs (R99 and Rel-4 Category A) to TR 25.944

Source: TSG-RAN WG1

Agenda item: 8.1.3

| No. | TR | CR | Rev | R1 T-doc | Subject | Releas | Cat | W / I Code | V_old | V_new |
|-----|--------|-----|-----|------------|--|--------|-----|------------|-------|-------|
| 1 | 25.944 | 007 | - | R1-01-0473 | Correction of TTI for PCH | R99 | F | TEI | 3.4.1 | 3.5.0 |
| 2 | 25.944 | 008 | - | R1-01-0492 | Correction of TTI for PCH (3.84 Mcps TDD, Rel-4) | REL-4 | A | TEI4 | 4.0.1 | 4.1.0 |
| 3 | 25.944 | 009 | - | R1-01-0493 | Correction of TTI for PCH | REL-4 | A | LCRTDD | 4.0.1 | 4.1.0 |

CR-Form-v4

CHANGE REQUEST

⌘ **TR25.944 CR 007** ⌘ rev **-** ⌘ Current version: **3.4.1** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

| | | | |
|------------------------|--|-----------------|--|
| Title: | ⌘ Correction of TTI for PCH | | |
| Source: | ⌘ TSG RAN WG1 | | |
| Work item code: | ⌘ TEI | Date: | ⌘ 15.05.2001 |
| Category: | ⌘ F | Release: | ⌘ R99 |
| | Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900. | | Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5) |

| | | | |
|--------------------------------------|---|--|--|
| Reason for change: | ⌘ misalignment between WG1 (TR 25.944) and WG2 (TS 25.302) spec | | |
| Summary of change: | ⌘ TTI for PCH is changed from 10ms to 20ms | | |
| Consequences if not approved: | ⌘ misalignment remains between WG1 and WG2 spec | | |

| | | | |
|------------------------------|---|---|--|
| Clauses affected: | ⌘ 4.2.1.2 | | |
| Other specs affected: | <input type="checkbox"/> Other core specifications <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications | ⌘ | |
| Other comments: | ⌘ | | |

How to create CRs using this form:

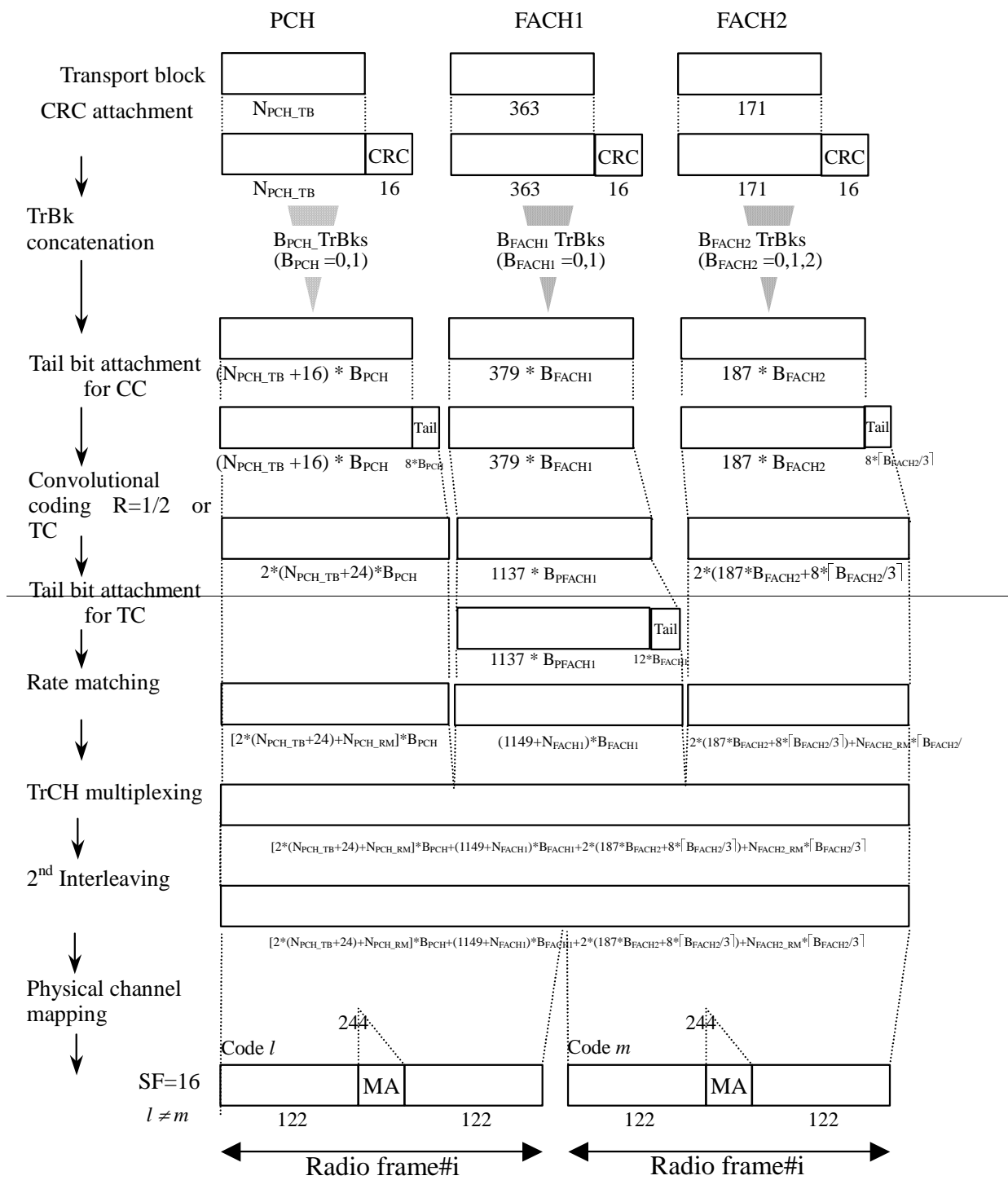
Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.htm. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/>. For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

4.2.1.2 Example for PCH and FACH

Table 26: Parameters for PCH and FACH

| | | |
|--------------------------|------------|---|
| Transport block size | PCH | $N_{PCH}=80$ or 240 bit |
| | FACH1 | 363 bit |
| | FACH2 | 171 bit |
| Transport block set size | PCH | $80 \cdot B_{PCH}$ or $240 \cdot B_{PCH}$ bit ($B_{PCH}=0,1$) |
| | FACH1 | $363 \cdot B_{FACH1}$ bit ($B_{FACH1}=0,1$) |
| | FACH2 | $171 \cdot B_{FACH2}$ bit ($B_{FACH2}=0,1,2$) |
| Coding | PCH, FACH2 | CC, coding rate = 1/2 |
| | FACH1 | TC |
| TTI | | 40-20 ms |
| Midamble | | 512 chips |
| Codes and time slots | | SF = $16 \times 2_{-1} \times 1$ time slot |
| TFCI | | 16 bit |
| TPC | | 0 bit |



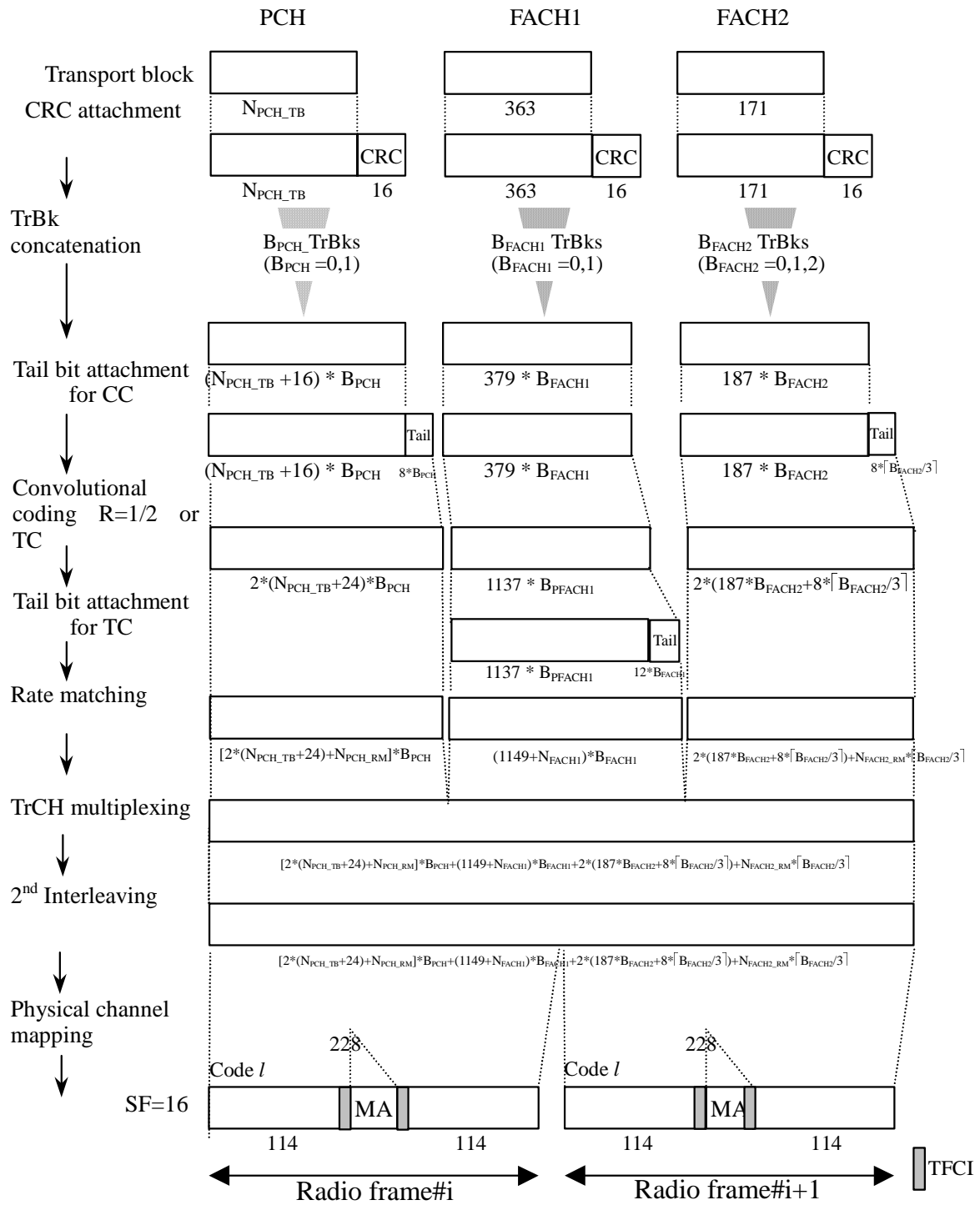


Figure 30: Channel coding and multiplexing example for PCH and FACH

CR-Form-v4

CHANGE REQUEST

⌘ **TR25.944 CR 008** ⌘ rev **-** ⌘ Current version: **4.0.1** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

| | | | |
|--|---|--|---|
| Title: | ⌘ Correction of TTI for PCH (3.84 Mcps TDD, Rel-4) | | |
| Source: | ⌘ TSG RAN WG1 | | |
| Work item code: | ⌘ TEI4 Date: ⌘ 15.05.2001 | | |
| Category: | <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> ⌘ A Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900. </td> <td style="width: 50%; vertical-align: top;"> Release: ⌘ REL-4 Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5) </td> </tr> </table> | ⌘ A Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900. | Release: ⌘ REL-4 Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5) |
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| | | | | | | | | | | |
|------------------------------|--|--------------------------|---------------------------|--|--------------------------|---------------------|--|--------------------------|--------------------|--|
| Clauses affected: | ⌘ 4.2.1.2 | | | | | | | | | |
| Other specs affected: | <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;"><input type="checkbox"/></td> <td>Other core specifications</td> <td style="width: 30%;"></td> </tr> <tr> <td><input type="checkbox"/></td> <td>Test specifications</td> <td></td> </tr> <tr> <td><input type="checkbox"/></td> <td>O&M Specifications</td> <td></td> </tr> </table> | <input type="checkbox"/> | Other core specifications | | <input type="checkbox"/> | Test specifications | | <input type="checkbox"/> | O&M Specifications | |
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| <input type="checkbox"/> | Test specifications | | | | | | | | | |
| <input type="checkbox"/> | O&M Specifications | | | | | | | | | |
| Other comments: | ⌘ | | | | | | | | | |

How to create CRs using this form:

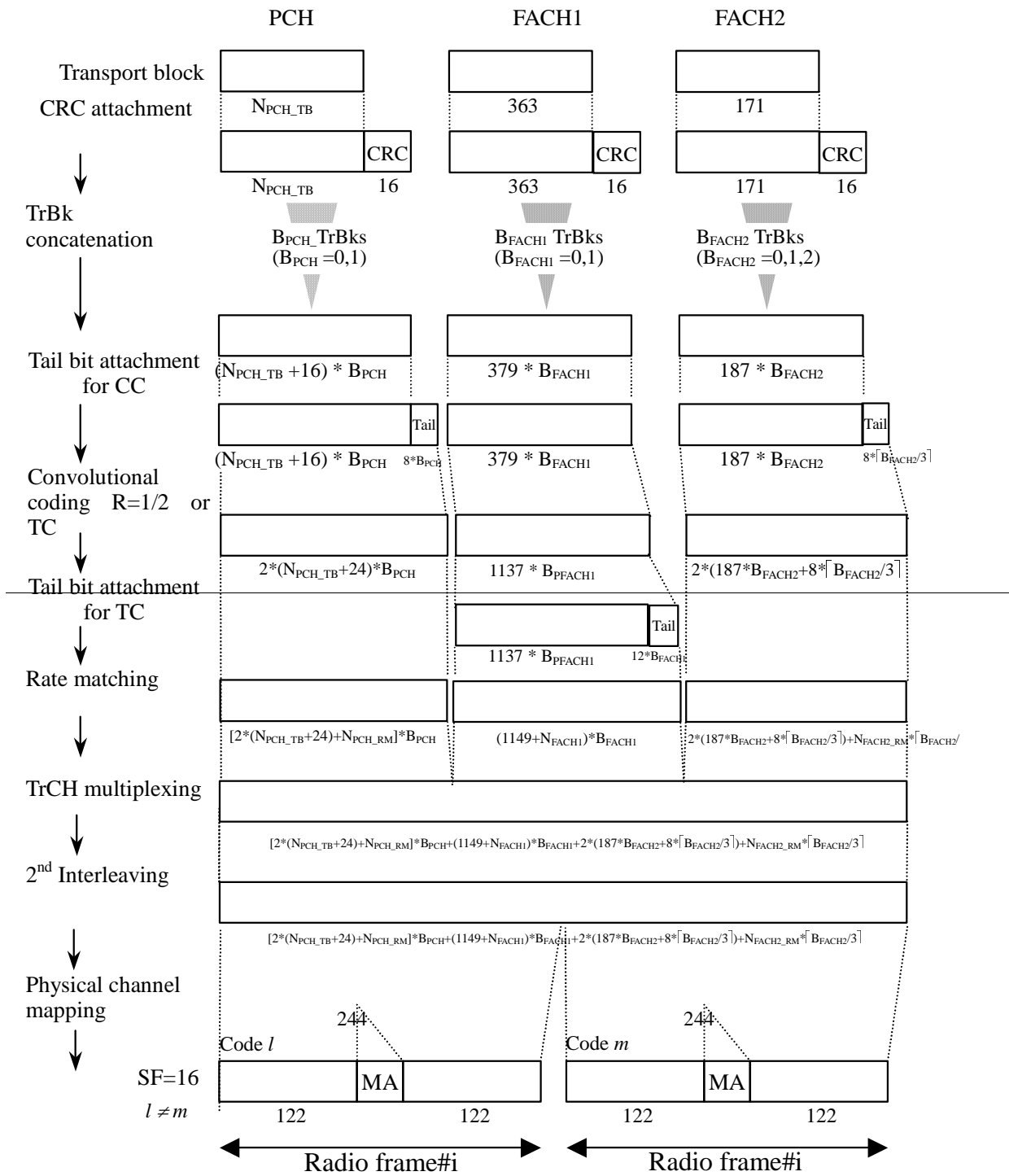
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| Coding | PCH, FACH2 | CC, coding rate = 1/2 |
| | FACH1 | TC |
| TTI | | 40-20 ms |
| Midamble | | 512 chips |
| Codes and time slots | | SF = $16 \times 2_{-1} \times 1$ time slot |
| TFCI | | 16 bit |
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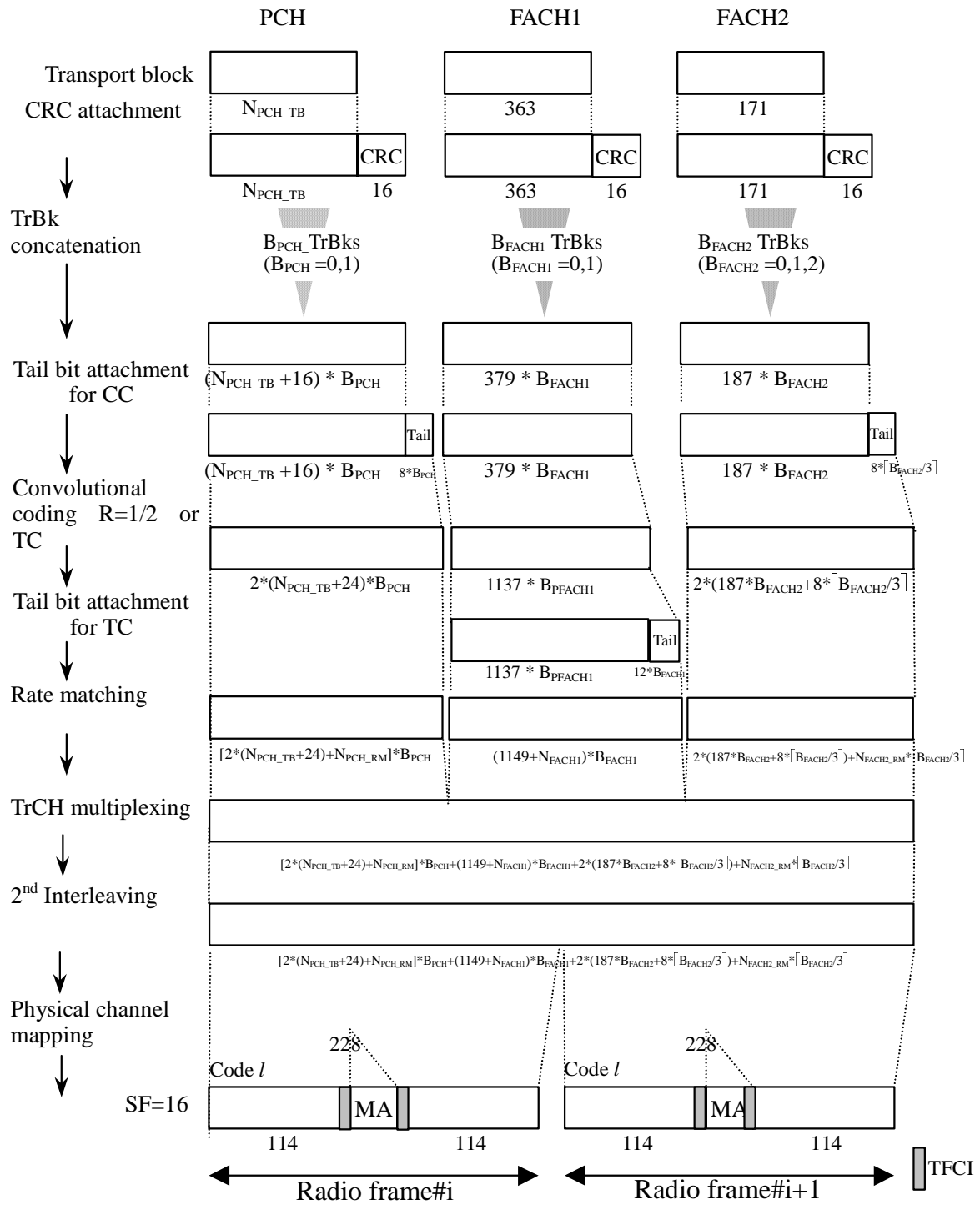


Figure 30: Channel coding and multiplexing example for PCH and FACH

CR-Form-v4

CHANGE REQUEST

⌘ **TR25.944 CR 009** ⌘ ev **-** ⌘ Current version: **4.0.1** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

| | | | |
|------------------------|--|-----------------|--|
| Title: | ⌘ Correction of TTI for PCH | | |
| Source: | ⌘ TSG RAN WG1 | | |
| Work item code: | ⌘ LCRTDD | Date: | ⌘ 15.05.2001 |
| Category: | ⌘ A | Release: | ⌘ REL-4 |
| | Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900. | | Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5) |

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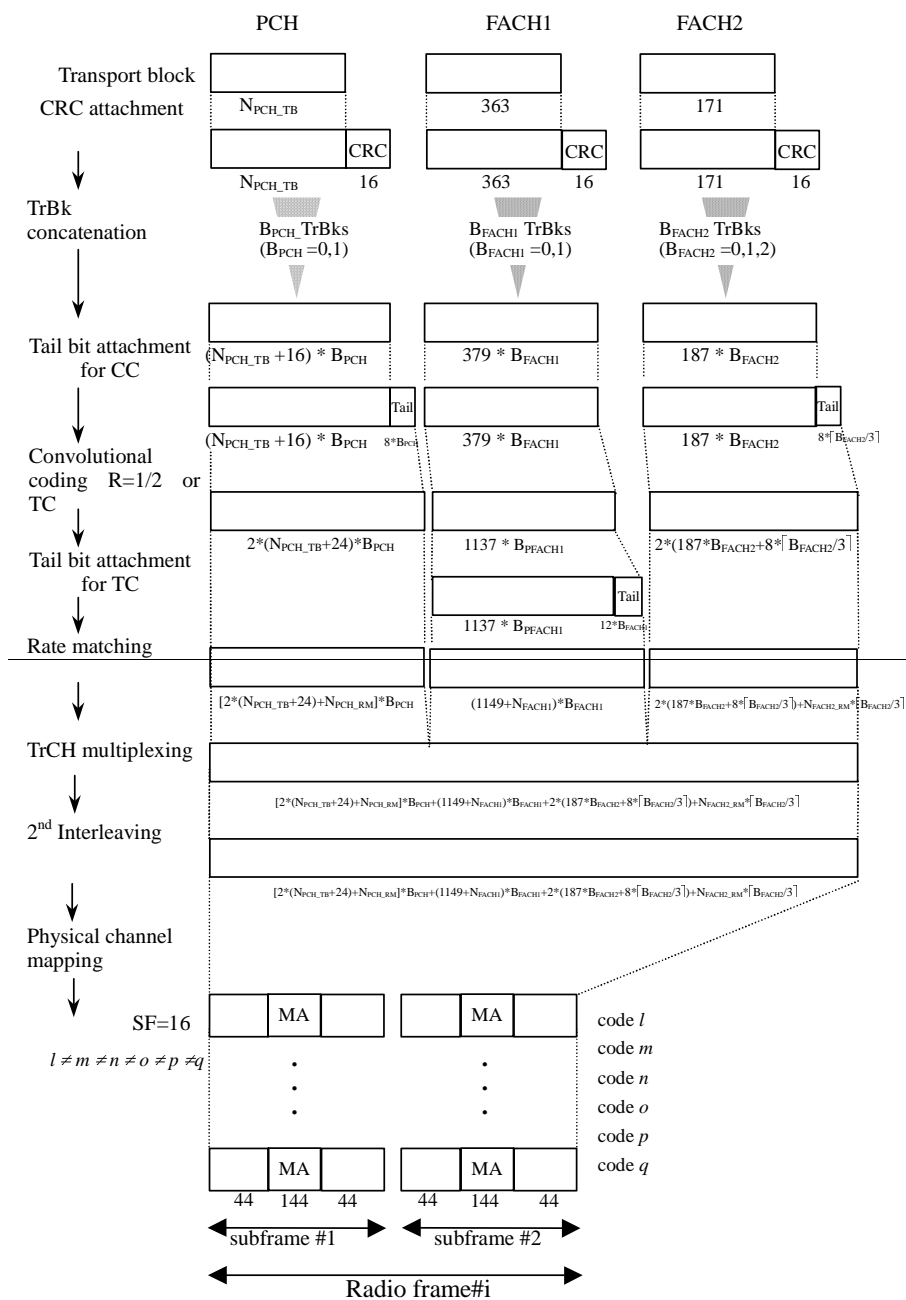
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| | FACH1 | TC |
| TTI | 40-20 ms | |
| Codes and time slots | SF = $16 \times 6-3$ codes x 1 time slot | |
| TFCI | 16 bit | |
| TPC | 0 bit | |



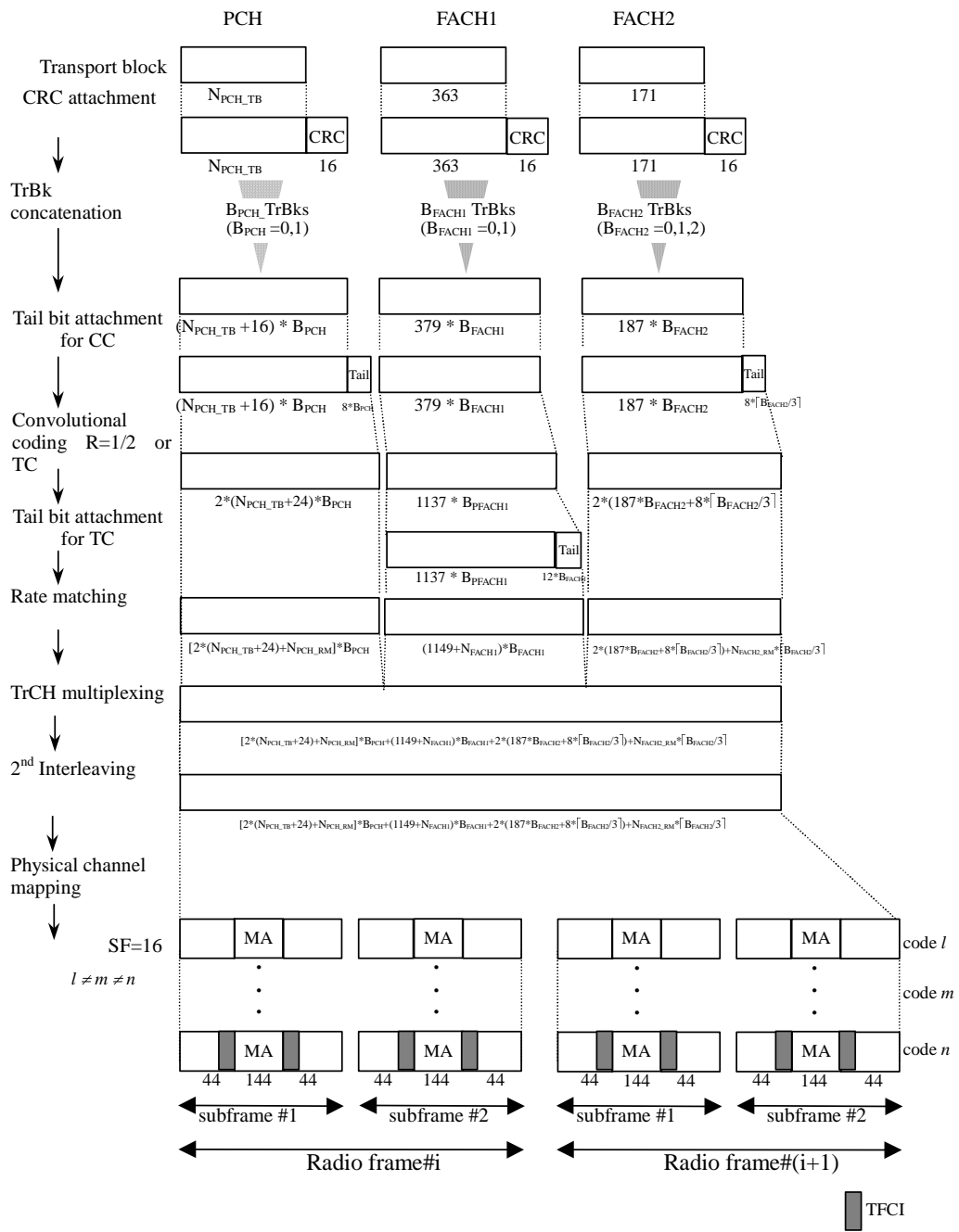


Figure 51: Channel coding and multiplexing example for PCH and FACH