

3GPP TSG_CN#6
ETSI SMG3 Plenary Meeting #6,
Nice, France
13th – 15th December 1999

NP-99453

Agenda item: 5.1.3
Source: TSG_N WG1
Title: CRs on Work Item PCS 1900 harmonisation

Introduction:

This document contains “2” CRs agreed by **TSG_N WG1** and forwarded to **TSG_N Plenary** meeting **#6** for approval.

| Tdoc | Spec | CR | Rev | CAT | Rel. | Old Ver | New Ver | Subject |
|----------|--------|------|-----|-----|------|---------|---------|-------------------------------------|
| N1-99D12 | 03.22 | A039 | 1 | F | R98 | 7.1.0 | 7.2.0 | Correction of Figure A.2 in Annex A |
| N1-99D13 | 23.022 | 006 | 1 | A | R99 | 3.1.0 | 3.2.0 | Correction of Figure A.2 in Annex A |

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| <h2 style="margin: 0;">CHANGE REQUEST</h2> | | Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly. |
| 03.22 | CR A039r1 | Current Version: 7.1.0 |
| GSM (AA.BB) or 3G (AA.BBB) specification number ↑ | ↑ CR number as allocated by MCC support team | |
| For submission to: <input style="width: 100px;" type="text"/> | for approval <input checked="" type="checkbox"/> | strategic <input type="checkbox"/> |
| list expected approval meeting # here ↑ | for information <input type="checkbox"/> | non-strategic <input checked="" type="checkbox"/> (for SMG use only) |

Form: CR cover sheet, version 2 for 3GPP and SMG The latest version of this form is available from: <ftp://ftp.3gpp.org/Information/CR-Form-v2.doc>

Proposed change affects: (U)SIM ME UTRAN / Radio Core Network
(at least one should be marked with an X)

Source: Ericsson, Siemens **Date:** 25.10.1999

Subject: Correction of Figure A.2 in Annex A

Work item: PCS 1900 Harmonisation

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| Category: | F Correction <input checked="" type="checkbox"/> A Corresponds to a correction in an earlier release <input type="checkbox"/> B Addition of feature <input type="checkbox"/> C Functional modification of feature <input type="checkbox"/> D Editorial modification <input type="checkbox"/> | Release: | Phase 2 <input type="checkbox"/> Release 96 <input type="checkbox"/> Release 97 <input type="checkbox"/> Release 98 <input checked="" type="checkbox"/> Release 99 <input type="checkbox"/> Release 00 <input type="checkbox"/> |
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(only one category shall be marked with an X)

Reason for change:

In Annex A in the section "HPLMN Matching Criteria for mobiles which support PCS1900 for NA:" there is an error in the figure A.2
Box 4 in Figure A.2 in Annex A does not align with the description for (4) in the normative text.
The current text in Box 4 in the figure A.2 should be deleted and replaced with "4. BCCH-MCC lies in the range 310-316".

This CR also deletes a misleading "Fail" after box 4 and a misleading "Succeed" at the top of box 6.

This CR also clarifies that that the text is normative and the diagrams are informative (which is the normal practice for SMG3 WPA/N1 specs) to avoid such misunderstanding in the future.

Clauses affected: Annex A

| | | | |
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| Other specs affected: | Other 3G core specifications <input type="checkbox"/> Other GSM core specifications <input type="checkbox"/> MS test specifications <input type="checkbox"/> BSS test specifications <input type="checkbox"/> O&M specifications <input type="checkbox"/> | → List of CRs: → List of CRs: → List of CRs: → List of CRs: → List of CRs: | |
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Other comments:



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HPLMN Matching Criteria in mobiles which don't support PCS1900 for NA:

Figure A.1 illustrates the logic flow described below. The text below is normative. The Figure A.1 is informative.

(1) The MS shall compare using all 3 digits of the SIM-MCC with the BCCH-MCC. If the values do not match, then the HPLMN match fails.

NOTE: If the MCC codes match, then the number of digits used for the SIM-MNC must be the same as the number of digits used for the BCCH-MNC.

(2) The MS shall read the 3rd digit of the BCCH-MNC. If the 3rd digit is Hex F, then proceed to step (4).

(3) The MS shall compare using all 3 digits of the SIM-MNC with the BCCH-MNC. If the values match, then the HPLMN match succeeds, otherwise the HPLMN match fails.

(4) The MS shall compare using just the 1st 2 digits the SIM-MNC with the BCCH-MNC. If the values match, then the HPLMN match succeeds, otherwise the HPLMN match fails.

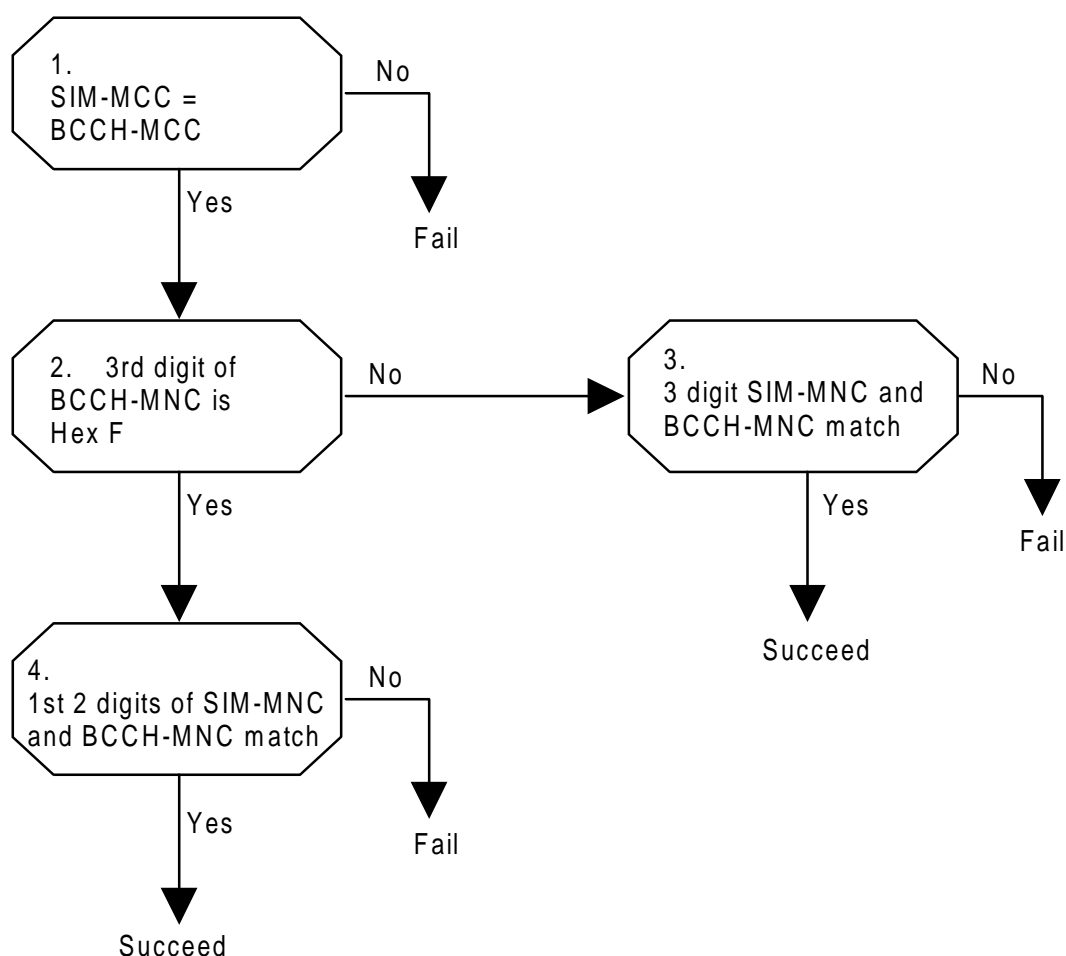


Figure A.1: HPLMN Matching Criteria Logic Flow for mobiles which support GSM and DCS1800 (informative)

HPLMN Matching Criteria for mobiles which support PCS1900 for NA:

Figure A.2 illustrates the logic flow described below. The text below is normative. The Figure A.2 is informative

- (1) The MS shall compare using all 3 digits the SIM-MCC with the BCCH-MCC. If the values do not match, then the HPLMN match fails.
- (2) The MS shall read the 3rd digit of the BCCH-MNC. If the 3rd digit is Hex F, then proceed to step (4).
- (3) The MS shall compare using all 3 digits the SIM-MNC with the BCCH-MNC. If the values match, then the HPLMN match succeeds, otherwise the HPLMN match fails.

NOTE: These rules (1) – (3) are the same as for mobiles which don't support PCS1900 for NA, except step (4) is different.

- (4) The MS shall determine if the BCCH-MCC lies in the range 310-316 (i.e., whether this network is a PCS1900 for NA network). If the BCCH-MCC lies outside the range 310-316, then proceed to step (6).
- (5) The MS shall compare the 3rd digit of the SIM-MNC with '0'. If the 3rd digit is not '0' then the HPLMN match fails.

NOTE: This is the '0' suffix rule.

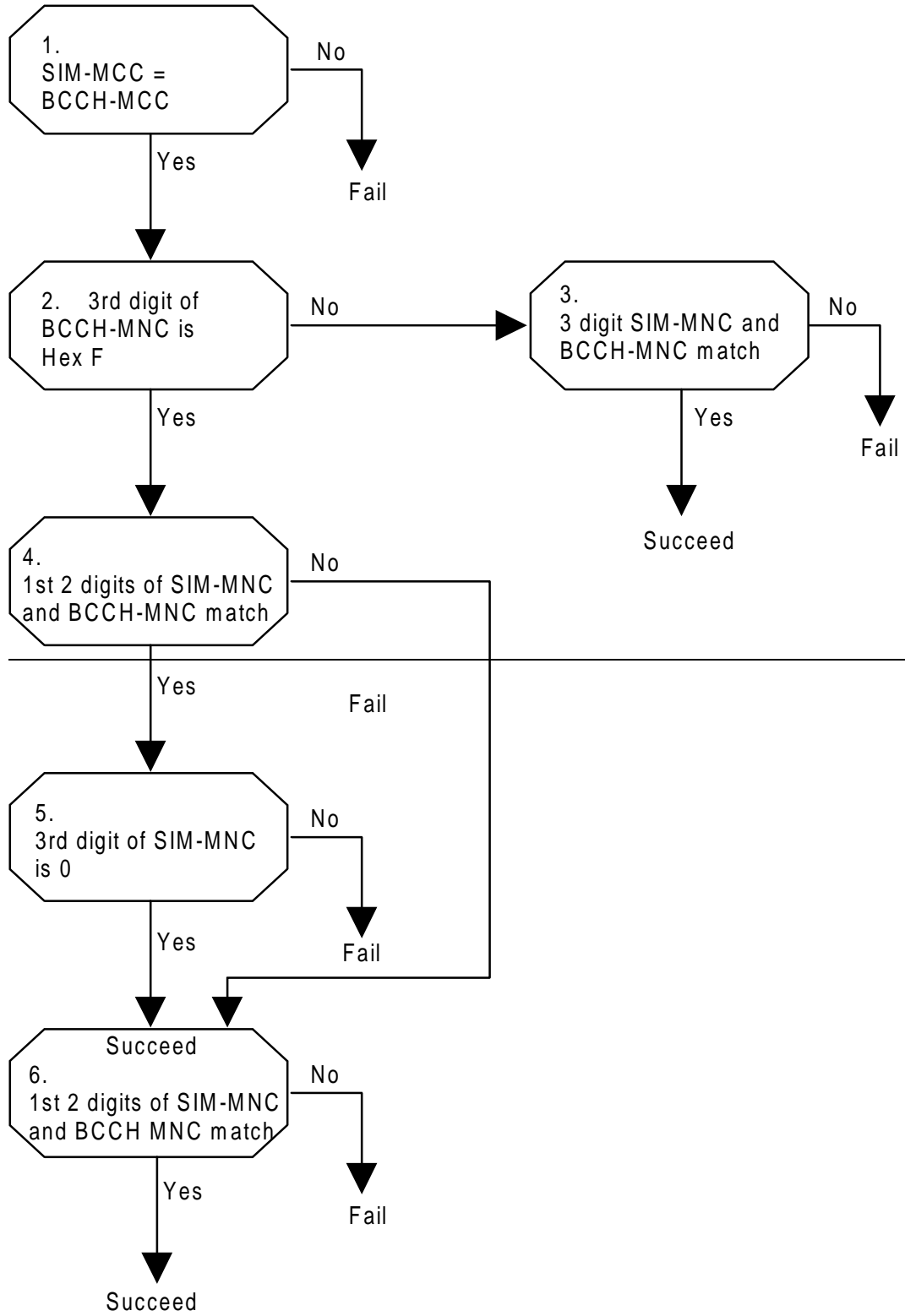
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NOTE: When PCS1900 for NA switches over to broadcasting 3 digit MNCs in **all** networks, then the additional requirements for PCS1900 for NA can be deleted.

Guidance for Networks in PCS1900 for NA

There may be some problems in the transition period from broadcasting 2 MNC digits to broadcasting 3 MNC digits. Here are some guidelines to avoid these problems.

- (1) Existing network codes. Operators who currently use a 2 digit BCCH-MNC **xy** should use the new code **xy0**.
- (2) New operators allocated 3 digit MNC codes with the same 1st 2 digits as an existing operator shall not use a 3rd digit of 0.



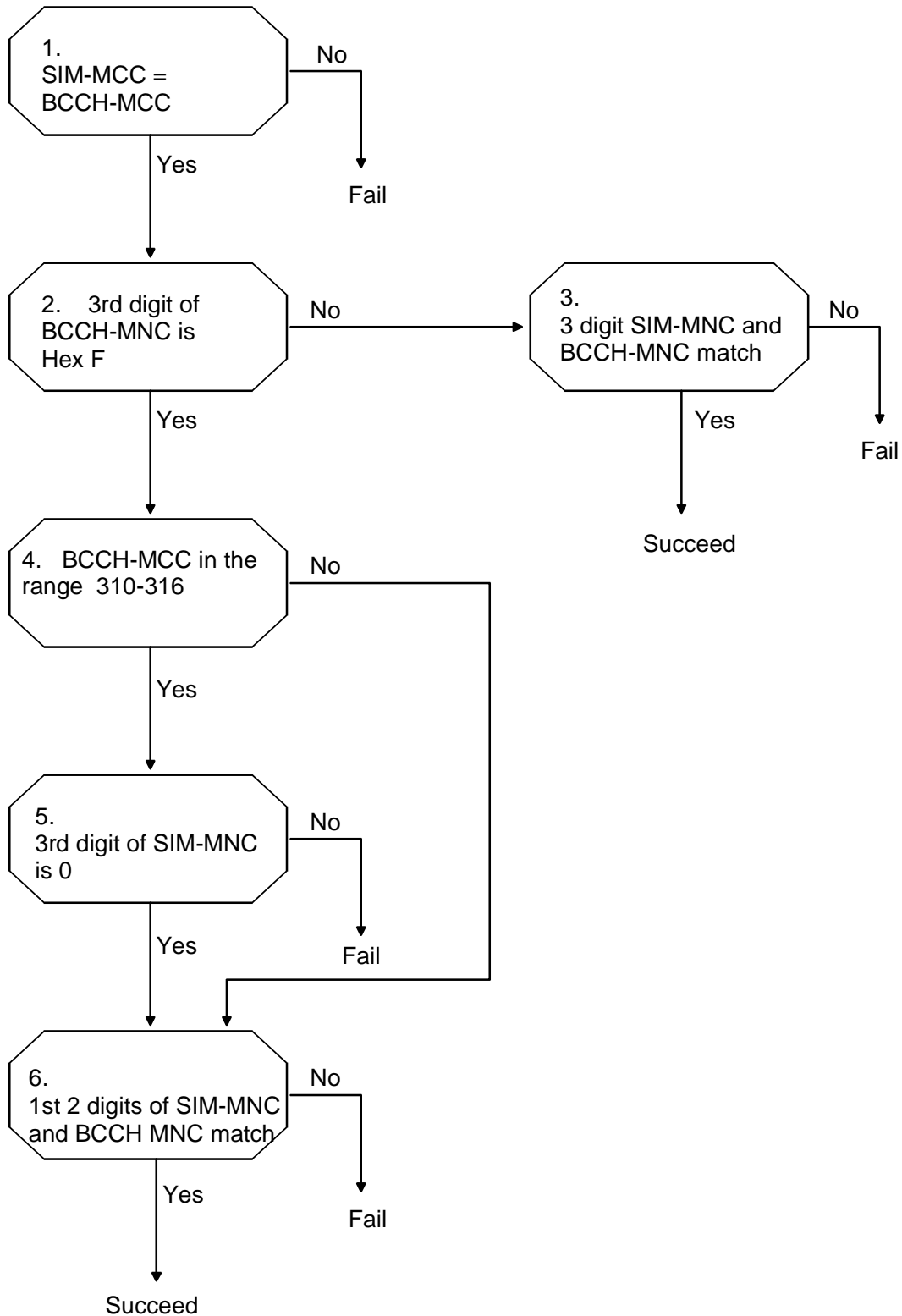


Figure A.2: HPLMN Matching Criteria Logic Flow for mobiles which support PCS1900 for NA (informative)

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Work item: PCS 1900 Harmonisation

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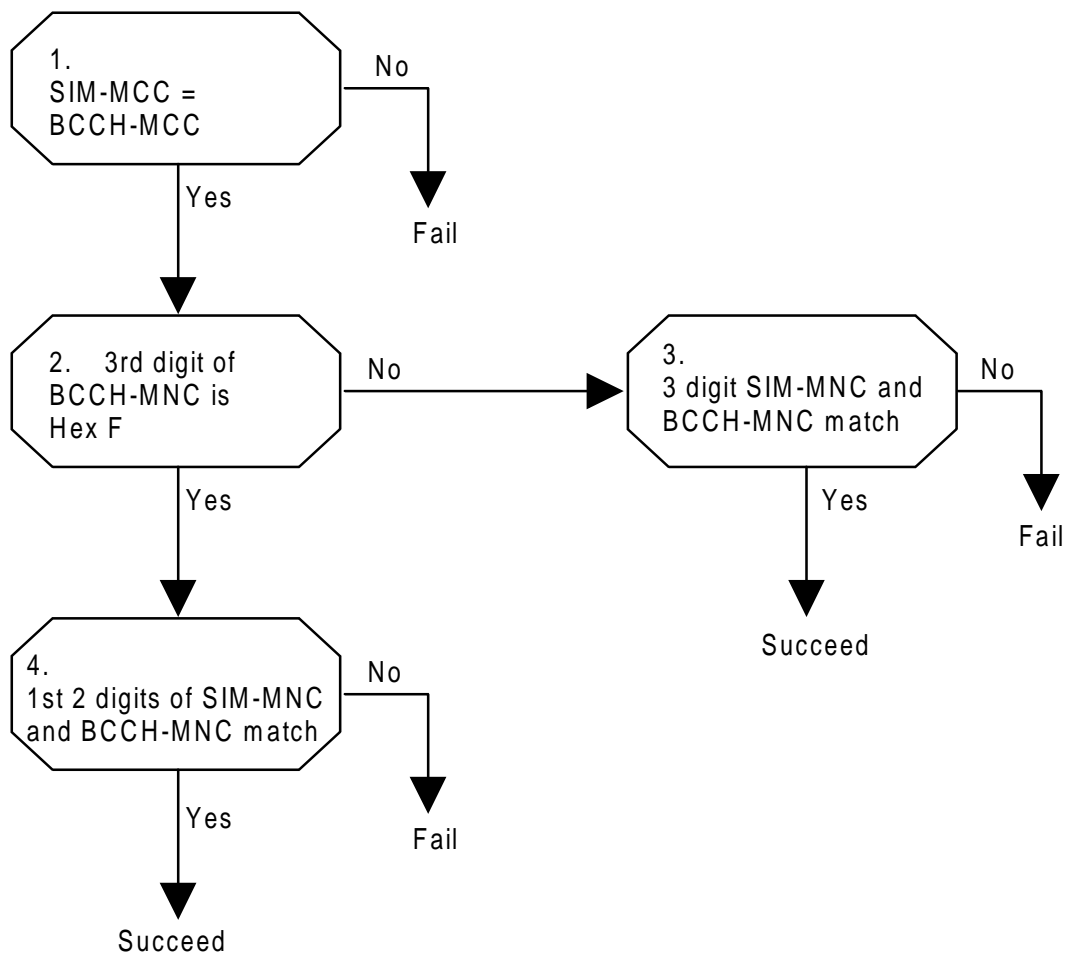


Figure A.1: HPLMN Matching Criteria Logic Flow for mobiles which support GSM and DCS1800 (informative)

HPLMN Matching Criteria for mobiles which support PCS1900 for NA:

Figure A.2 illustrates the logic flow described below. The text below is normative. The Figure A.2 is informative

- (1) The MS shall compare using all 3 digits the SIM-MCC with the BCCH-MCC. If the values do not match, then the HPLMN match fails.
- (2) The MS shall read the 3rd digit of the BCCH-MNC. If the 3rd digit is Hex F, then proceed to step (4).
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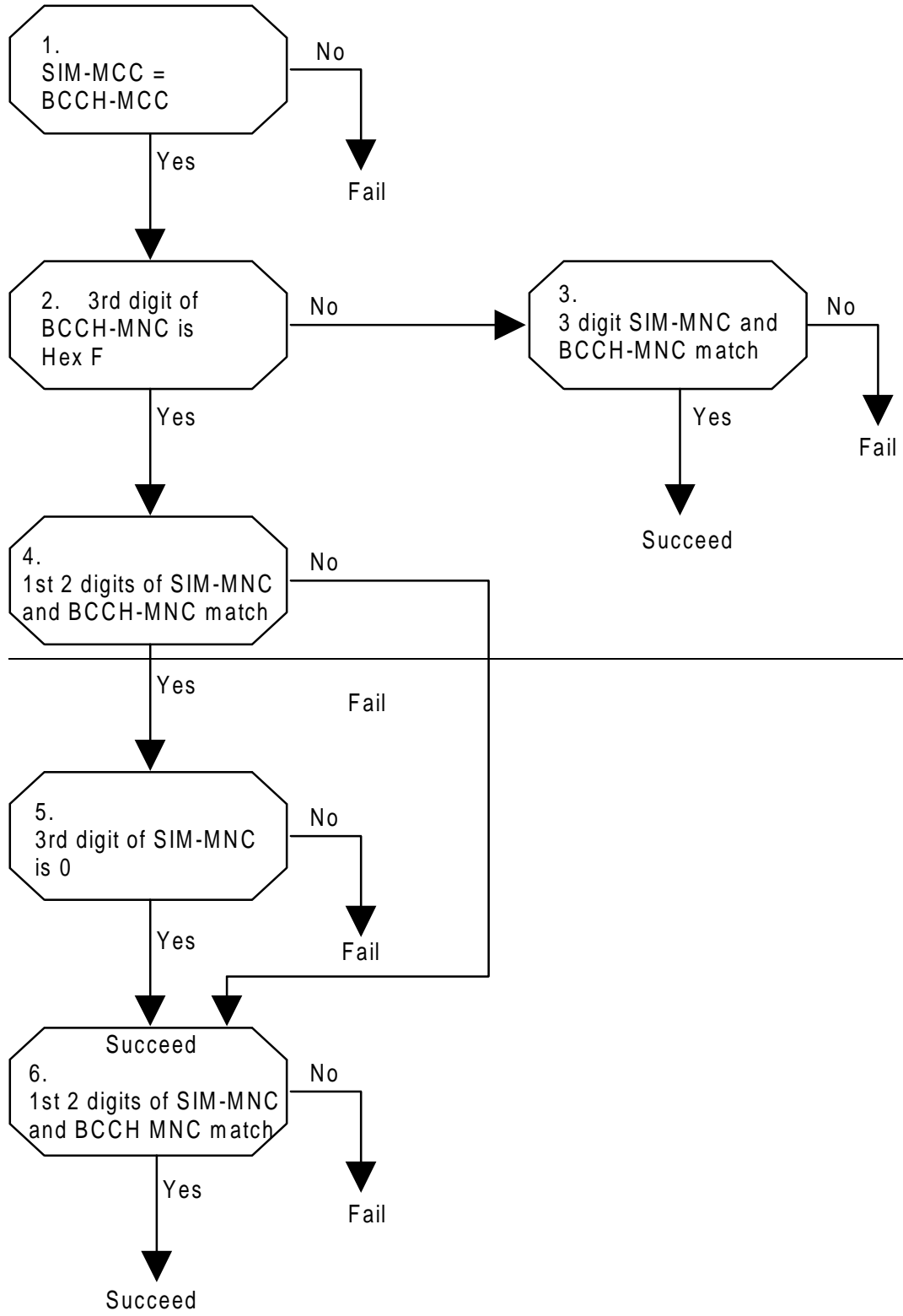
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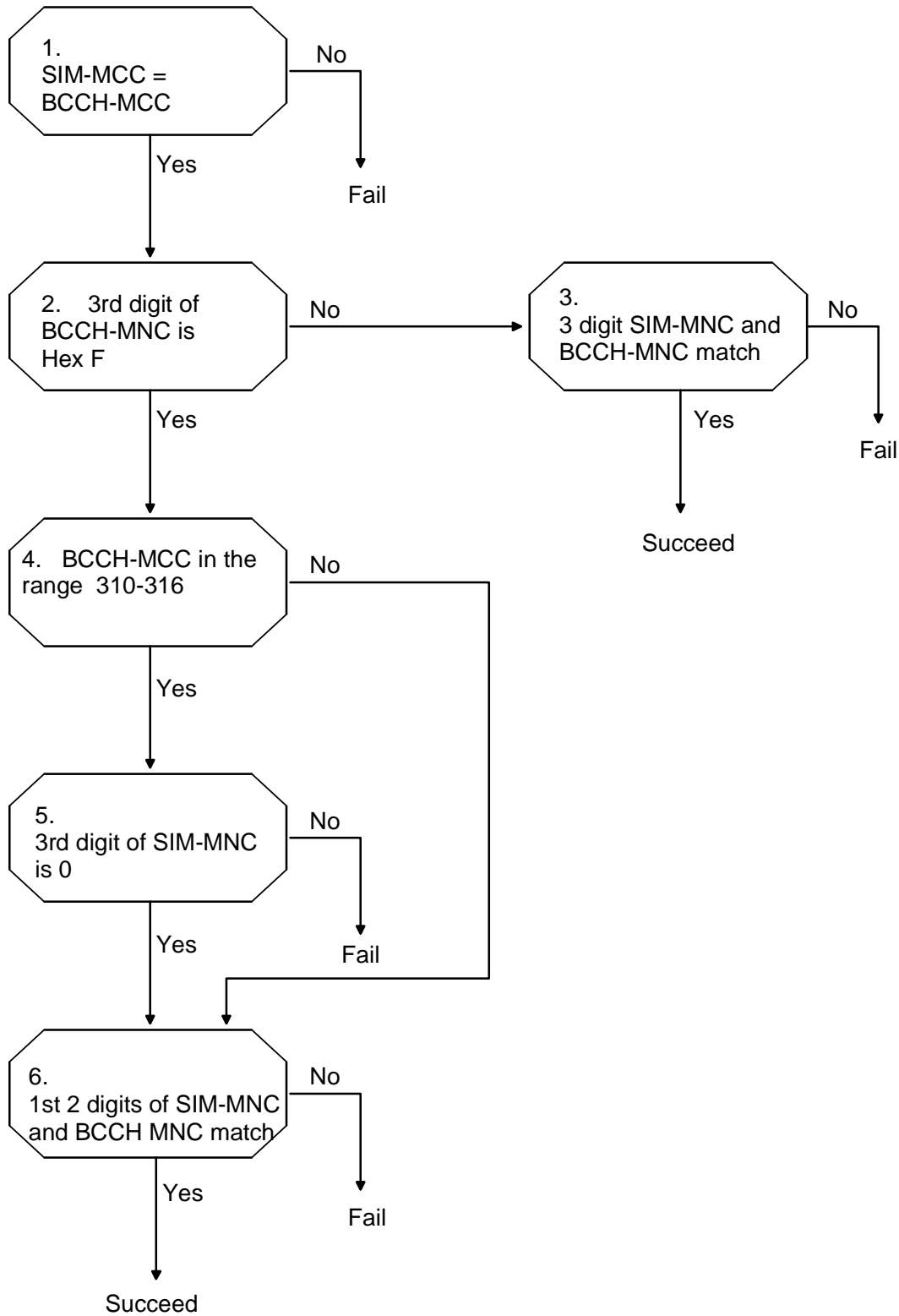


Figure A.2: HPLMN Matching Criteria Logic Flow for mobiles which support PCS1900 for NA (informative)