

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Definition of the process for Adaptive Channel Selection	
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Re:	80216h-06_005: Call for Comments and Contributions: IEEE 802.16 License-Exempt Task Group (2006-02-06)	
Abstract	In order to collect the information from all the influenced BS nearby, IBS need to scan all the channel and broadcast the contact information in all the candidate channel. After collect the necessary information, BS need to start negotiate with the neighbors when necessary. Updating the information during operation is still open and not the main purpose of this paper.	
Purpose	Conform the process for ACS for IBS according to all the current material in the WD.	
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Definition of the process for Adaptive Channel Selection Huawei Technologies Co., Ltd.

Overview:

the following diagram figure h17 in 15.2.1.3 need to be change.

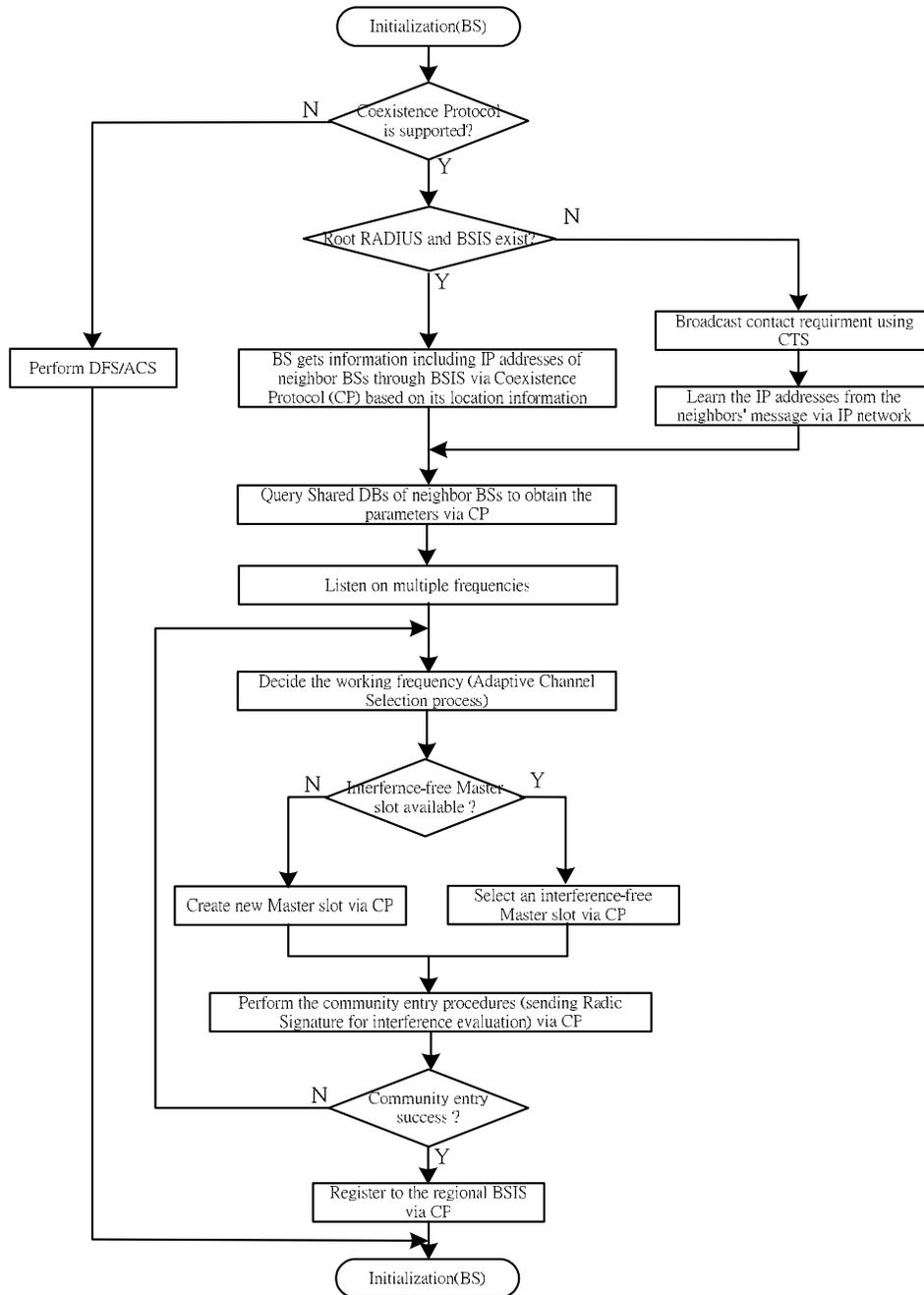


Figure h17—Initialization procedures — BS

To clarify the description of initialization procedure, the resource allocation and CP messaging procedure should be defined separately.

Abbreviations and acronyms

Reference:

- [1] *IEEE 802.16-06/004: Working Document for P802.16h (2006-02-06)*
- [2] *IEEE C802.16h-06/017: Entering the community using coexistence proxy (2006-02-28)*
- [3] *IEEE C802.16h-06/018: Optimization of channel distribution (2006-02-28)*

Proposal

Proposed text changes

Insert text in section 15.4.1 as indicate:

15.4.1 Adaptive Channel Selection – ACS

First try to find a vacant channel:

- *Passive scan*
- *~~Active scan~~ Candidate channel selection (see 15.2.1.3 15.4.1.1)*
- *CP messaging using IP network with neighbors (see 15.6.1 & 15.2.1.3)*

Next try to coordinate for an exclusive channel

- *Optimization of channel distribution (see 15.7.1 & 15.7.1.4)*

Success of either step will enable the BS start working with an exclusive working channel

Fail will begin a working channel sharing coordinate procedure

insert the Figure h17a after Figure h17 in 15.2.1.3 as indicate:

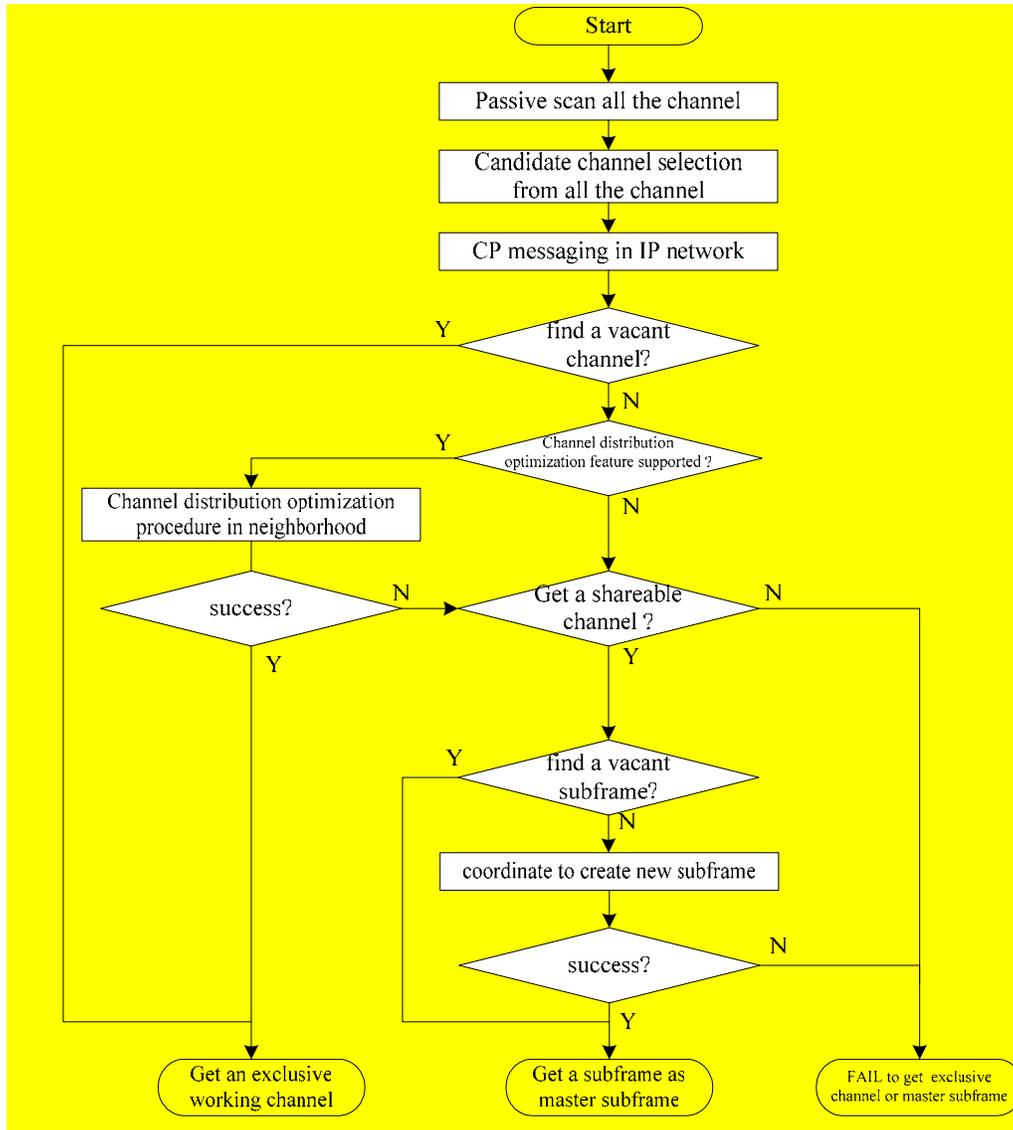


Figure h17a—Initialization procedures — BS radio resource allocation

Discussion:

Should we use the ACS similar approach to deal with the optimization of subframe Distribution?