IEEE P802.11
Wireless LANs

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| WUR State Diagram Proposal-Hamilton |
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Abstract

This document contains a proposed state machine view of the TGba (WUR) concepts, merged into the 802.11 existing STA association and standby state machine.

R0 – Initial discussion document.

R1 – Significant additions, following discussion on May 24 telecon

R2 – Removed state representing wait for PCR to power-on after wakeup, other minor wording udpates

# Introduction and Purpose

The following figure is proposed as a reference for a state machine description of the WUR behavior, being developed for 802.11ba. Whether this figure is actually used in the amendment, or left just a discussion reference is TBD.

The states in this figure represent the shared assumption between the AP and (non-AP) STA, based on frames sent/received. Note that the non-AP STA implementation could be temporarily in some other state, that is not signalled and is unknown to the AP.

