

Supplement A: set of A.I. rules for determining communication methods based on current user status

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| <p><i>Rule #1:</i></p> <p>If (isUserBusy and Not isUserDriving) Then Propose VoiceMessage (Silent) and Propose TextMessage and Propose Email</p> | <p><i>Rule #2:</i></p> <p>If (isUserDriving and Not isUserSleeping) Then Propose U-talk Voice Chat and Propose VoiceMessage (Instant)</p> |
| <p><i>Rule #3:</i></p> <p>If (isUserRoaming and isDeviceWifiConnected and Not isUserDriving and Not isUserSleeping and Not isUserBusy and Not isDeviceSupportVoip) Then Propose VoiceMessage (Silent) and Propose VoiceMessage (Instant) and Propose TextMessage</p> | <p><i>Rule #4:</i></p> <p>If (isUserRoaming and isDeviceWifiConnected and Not isUserDriving and Not isUserBusy and isUserSleeping and Not isDeviceSupportEmail) Then Propose VoiceMessage (Silent) and Propose TextMessage</p> |
| <p><i>Rule #5:</i></p> <p>If (isUserRoaming and isDeviceWifiConnected and Not isUserDriving and Not isUserBusy and isUserSleeping and isDeviceSupportEmail)</p> | <p><i>Rule #6:</i></p> <p>If (isUserRoaming and isDeviceWifiConnected and Not isUserDriving and Not isUserBusy and Not isUserSleeping and isDeviceSupportVoip</p> |

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| Then Propose VoiceMessage (Silent) and Propose TextMessage and Propose Email | and Not isDeviceSupportEmail) Then Propose VoiceMessage (Instant) and Propose VoiceMessage (Silent) and Propose TextMessage and Propose Voip (i.e., Skype) |
| <i>Rule #7:</i> If (isUserRoaming and isDeviceWifiConnected and Not isUserDriving and Not isUserBusy and Not isUserSleeping and Not isDeviceSupportVoip and isDeviceSupportEmail) Then Propose VoiceMessage (Instant) and Propose VoiceMessage (Silent) and Propose TextMessage and Propose Email | <i>Rule #8:</i> If (isUserRoaming and isDeviceWifiConnected and Not isUserDriving and Not isUserBusy and Not isUserSleeping and isDeviceSupportVoip and isDeviceSupportEmail) Then Propose VoiceMessage (Instant) and Propose VoiceMessage (Silent) and Propose TextMessage and Propose Voip (Skype) and Propose Email |
| <i>Rule #9:</i> If (isUserRoaming and Not isDeviceWifiConnected and Not isUserDriving and Not isUserBusy and Not isUserSleeping) Then Propose VoiceMessage (Instant) and Propose VoiceMessage (Silent) | <i>Rule #10:</i> If (isUserRoaming and Not isDeviceWifiConnected and Not isUserDriving and Not isUserBusy and isUserSleeping) Then Propose VoiceMessage (Silent) and Propose TextMessage |

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| and Propose TextMessage | |
| <p>Rule #11:</p> <p>If (Not isUserRoaming and Not isDeviceWifiConnected and Not isUserDriving and Not isUserBusy and isDeviceSupportPhone and Not isUserSleeping) Then Propose VoiceMessage (Instant) and Propose VoiceMessage (Silent) and Propose TextMessage and Propose Phone</p> | <p>Rule #12:</p> <p>If (Not isUserRoaming and Not isDeviceWifiConnected and Not isUserDriving and Not isUserBusy and Not isDeviceSupportPhone and Not isUserSleeping) Then Propose VoiceMessage (Instant) and Propose VoiceMessage (Silent) and Propose TextMessage</p> |
| <p>Rule #13:</p> <p>If (Not isUserRoaming and Not isDeviceWifiConnected and Not isUserDriving and Not isUserBusy and isUserSleeping) Then Propose VoiceMessage (Silent) and Propose TextMessage</p> | <p>Rule #14:</p> <p>If (Not isUserRoaming and isDeviceWifiConnected and Not isUserDriving and Not isUserBusy and isUserSleeping and Not isDeviceSupprotEmail) Then Propose VoiceMessage (Silent) and Propose TextMessage</p> |
| <p>Rule #15:</p> <p>If (Not isUserRoaming and isDeviceWifiConnected and Not isUserDriving and Not isUserBusy</p> | <p>Rule #16:</p> <p>If (Not isUserRoaming and isDeviceWifiConnected and Not isUserDriving and Not isUserBusy</p> |

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| <p>and isUserSleeping</p> <p>and isDeviceSupportEmail)</p> <p>Then Propose VoiceMessage (Silent)</p> <p>and Propose TextMessage</p> <p>and Propose Email</p> | <p>and Not isDeviceSupportPhone</p> <p>and Not isUserSleeping</p> <p>and Not isDeviceSupportVoip</p> <p>and Not isDeviceSupportEmail)</p> <p>Then Propose VoiceMessage (Instant)</p> <p>and Propose VoiceMessage (Silent)</p> <p>and Propose TextMessage</p> |
| <p>Rule #17:</p> <p>If (Not isUserRoaming</p> <p>and isDeviceWifiConnected</p> <p>and Not isUserDriving</p> <p>and Not isUserBusy</p> <p>and isDeviceSupportPhone</p> <p>and Not isUserSleeping</p> <p>and Not isDeviceSupportVoip</p> <p>and Not isDeviceSupportEmail)</p> <p>Then Propose VoiceMessage (Instant)</p> <p>and Propose VoiceMessage (Silent)</p> <p>and Propose TextMessage</p> <p>and Propose Phone</p> | <p>Rule #18:</p> <p>If (Not isUserRoaming</p> <p>and isDeviceWifiConnected</p> <p>and Not isUserDriving</p> <p>and Not isUserBusy</p> <p>and Not isDeviceSupportPhone</p> <p>and Not isUserSleeping</p> <p>and isDeviceSupportVoip</p> <p>and Not isDeviceSupportEmail)</p> <p>Then Propose VoiceMessage (Instant)</p> <p>and Propose VoiceMessage (Silent)</p> <p>and Propose TextMessage</p> <p>and Propose Voip (Skype)</p> |
| <p>Rule #19:</p> <p>If (Not isUserRoaming</p> <p>and isDeviceWifiConnected</p> <p>and Not isUserDriving</p> <p>and Not isUserBusy</p> | <p>Rule #20:</p> <p>If (Not isUserRoaming</p> <p>and isDeviceWifiConnected</p> <p>and Not isUserDriving</p> <p>and Not isUserBusy</p> |

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| <p>and Not isDeviceSupportPhone</p> <p>and Not isUserSleeping</p> <p>and Not isDeviceSupportVoip</p> <p>and isDeviceSupportEmail)</p> <p>Then Propose VoiceMessage (Instant)</p> <p>and Propose VoiceMessage (Silent)</p> <p>and Propose TextMessage</p> <p>and Propose Email</p> | <p>and isDeviceSupportPhone</p> <p>and Not isUserSleeping</p> <p>and isDeviceSupportVoip</p> <p>and Not isDeviceSupportEmail)</p> <p>Then Propose Phone</p> <p>and Propose Voip (Skype)</p> <p>and Propose VoiceMessage (Instant)</p> <p>and Propose VoiceMessage (Silent)</p> <p>and Propose TextMessage</p> |
| <p>Rule #21:</p> <p>If (Not isUserRoaming</p> <p>and isDeviceWifiConnected</p> <p>and Not isUserDriving</p> <p>and Not isUserBusy</p> <p>and isDeviceSupportPhone</p> <p>and Not isUserSleeping</p> <p>and Not isDeviceSupportVoip</p> <p>and isDeviceSupportEmail)</p> <p>Then Propose Phone</p> <p>and Propose VoiceMessage (Instant)</p> <p>and Propose VoiceMessage (Silent)</p> <p>and Propose TextMessage</p> <p>and Propose Email</p> | <p>Rule #22:</p> <p>If (Not isUserRoaming</p> <p>and isDeviceWifiConnected</p> <p>and Not isUserDriving</p> <p>and Not isUserBusy</p> <p>and Not isDeviceSupportPhone</p> <p>and Not isUserSleeping</p> <p>and isDeviceSupportVoip</p> <p>and isDeviceSupportEmail)</p> <p>Then Propose VoiceMessage (Instant)</p> <p>and Propose VoiceMessage (Silent)</p> <p>and Propose TextMessage</p> <p>and Propose Voip (Skype)</p> <p>and Propose Email</p> |
| <p>Rule #23:</p> <p>If (Not isUserRoaming</p> | <p>Rule #24:</p> <p>If (Not isUserRoaming</p> |

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| and isDeviceWifiConnected and Not isUserDriving and Not isUserBusy and isDeviceSupportPhone and Not isUserSleeping and isDeviceSupportVoip and isDeviceSupportEmail) Then Propose Phone and Propose Voip (Skype) and Propose VoiceMessage (Instant) and Propose VoiceMessage (Silent) and Propose TextMessage and Propose Email | and isDeviceSupportPhone and Not isUserDriving and Not isUserBusy and Not isUserSleeping) Then Propose Phone and Propose Voip (Skype) and Propose VoiceMessage (Instant) and Propose TextMessage |
| Rule #25: If (Proposed Methods isEmpty) Then Propose VoiceMessage (Instant) and Propose TextMessage and Propose Email | |