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Audio and Haptic Enhanced Accessibility Features KLM-GOMS Model

Primary Service Functionality:

- Provide accurate description of on-screen information without overwhelming user

KLM-GOMS Model:

Task: Navigating from Home to My Games and Apps screen.
Assumes user has elementary understanding of how to navigate Xbox One.

Default Configuration (No change):

Action	KLM-GOMS Code	Time Required
Listen to screen narration	L (Listen)	20 seconds
Press Home Button	B (Button Press)	0.1 seconds
Listen to Pop Up Narration	L	15 seconds
Move On-Screen Cursor	N (Navigate with Analog Stick)	0.1 seconds
Listen to Selection	L	3 seconds
Move On-Screen Cursor	N	0.1 seconds
Listen to Selection	L	3 seconds
Select	B (A button)	0.1 seconds
Total Time		41.3 seconds

Simplified Configuration (Narrator Describes Less):

Action	KLM-GOMS Code	Time Required
Listen to screen narration	L (Listen)	10 seconds
Press Home Button	B (Button Press)	0.1 seconds
Listen to Pop Up Narration	L	8 seconds
Move On-Screen Cursor	N (Navigate with Analog Stick)	0.1 seconds
Listen to Selection	L	2 seconds
Move On-Screen Cursor	N	0.1 seconds
Listen to Selection	L	2 seconds
Select	B (A button)	0.1 seconds
Total Time		22.3 seconds

Detailed Configuration (Narrator Describes screens in greater detail as well as navigational options):

Action	KLM-GOMS Code	Time Required
Listen to screen narration	L (Listen)	40 seconds
Press Home Button	B (Button Press)	0.1 seconds
Listen to Pop Up Narration	L	30 seconds
Move On-Screen Cursor	N (Navigate with Analog Stick)	0.1 seconds

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Listen to Selection	L	8 seconds
Move On-Screen Cursor	N	0.1 seconds
Listen to Selection	L	8 seconds
Select	B (A button)	0.1 seconds
Total Time		86.3 seconds = 1 min 26.3 seconds