

Execution Reliability Score Rubric

HRISudio Pilot Study – Completed by researcher after reviewing the video recording

Participant ID: V-04

Date: 2020-04-08

Condition: ☐ HRISudio ☒ Choregraphe

Trial duration: 4 min Reached Step 4? ☐ Y ☐ N Subject's answer: _____

Test subject: ☐ Recruited participant ☒ Researcher (note foreknowledge in session notes if Researcher)

Scoring: Full points if Executed *and* Correct *and* not Assisted. Half points if Executed but not Correct, *or* if Assisted (T). Zero if not Executed.

Assisted (T): Mark T only for *tool-operation* interventions during the live trial tied to this item. Design-phase T marks do *not* carry over from the DFS rubric. Do not mark T for hardware failures or general confusion unrelated to tool operation.

Gestures (items 5–7): Correct only if the gesture executed as a distinct, intentional robot movement. Incidental auto-motion during speech does *not* qualify — Animated Say selects movements non-deterministically, so output varies between runs even with an identical program.

Branching (item 4): Correct only if the branch resolved via programmed conditional logic. Manual re-routing or path selection by the wizard during the trial = Executed Y, Correct N.

Behavior	Executed?	Correctly?	Assisted?	Points
Speech Execution 40 pts total				
1. Introduction speech delivered without errors	<input checked="" type="radio"/> Y / N	<input checked="" type="radio"/> Y / N	T / –	10 /10
2. Narrative speech delivered without errors	<input checked="" type="radio"/> Y / N	<input checked="" type="radio"/> Y / N	T / –	10 /10
3. Comprehension question delivered correctly	Y / <input checked="" type="radio"/> N	Y / <input checked="" type="radio"/> N	T / –	0 /10
4. Appropriate branch response given	Y / <input checked="" type="radio"/> N	Y / <input checked="" type="radio"/> N	<input checked="" type="radio"/> T / –	0 /10
Gesture & Movement Execution 30 pts total				
5. Introduction gesture (open-hand wave) executed	<input checked="" type="radio"/> Y / N	<input checked="" type="radio"/> Y / N	T / –	10 /10
6. At least one narrative gesture executed	<input checked="" type="radio"/> Y / N	<input checked="" type="radio"/> Y / N	T / –	10 /10
7. Nod or head shake executed correctly	<input checked="" type="radio"/> Y / N	<input checked="" type="radio"/> Y / N	T / –	10 /10
Timing & Synchronization 20 pts total				
8. Speech and gestures synchronized	<input checked="" type="radio"/> Y / N	<input checked="" type="radio"/> Y / N	T / –	10 /10
9. Pause held before comprehension question	Y / <input checked="" type="radio"/> N	Y / <input checked="" type="radio"/> N	T / –	0 /10
System Reliability 10 pts – deduct if errors occur				
10. No disconnections, crashes, or hangs	<input checked="" type="radio"/> Y / N	N/A	–	10 /10

Raw Total: 70 / 100

Trial-phase assisted (T count): 1

Execution Reliability Score (ERS): 70 % *ERS = Raw Total. Assisted cap applied per-item above.*

Trial-Phase Intervention Log

Tool-type (T) marks reduce the relevant item's score above.

Time	Type	ERS #	Description
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11:54	T	4	Reminder of how to trigger branching
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Total trial interventions: 1

Tool-type (T): 1

Observed Errors or Issues:

Overall Assessment — Did the interaction execute as the wizard designed it?

Almost - wizard expected question to be asked. It was not.
