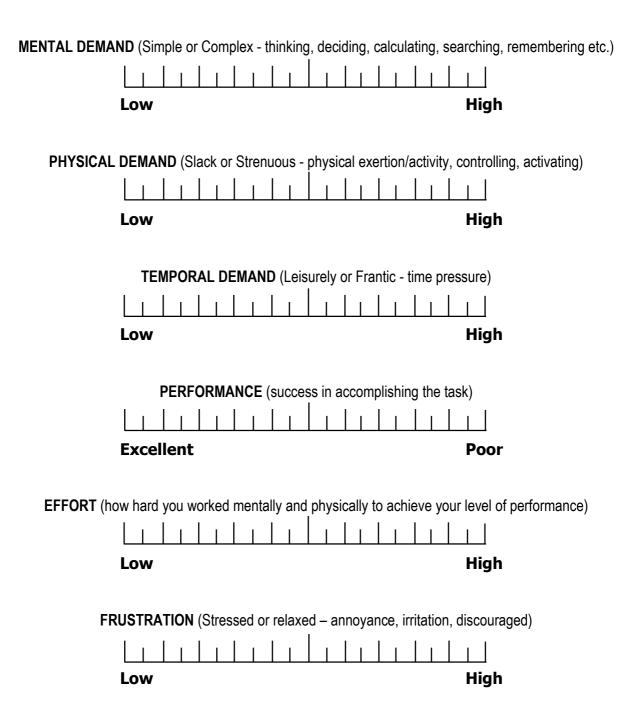
Assessment of Cognitive Workload using the NASA-TLX

RATING SHEET

Please indicate your ratings for the contributions of each of the following dimensions to your task.



Score 0 on left to 100 on right.

WEIGHTINGS

Please select (circle) the member of each pair of dimensions that contributed more to the workload (you may only select one or the other) for completing your task:

- **1.** Did the task require more **PHYSICAL DEMAND** (physical exertion) or more **FRUSTRATION** (irritation, discouraged)?
- Did the task require more **EFFORT** (how hard you worked) or more **PHYSICAL DEMAND** (physical exertion)?
- Did the task require more **TEMPORAL DEMAND** (time pressure) or create **FRUSTRATION** (irritation, discouraged)?
- 4. Did the task require more **TEMPORAL DEMAND** (time pressure) or more **EFFORT** (how hard you worked)?
- Did the task require more **EFFORT** (how hard you worked) or was the nature of the **PERFORMANCE** (success in accomplishing the task) more of a contributor?
- Did the task require more **PERFORMANCE** (success in accomplishing the task) or lead to **FRUSTRATION** (irritation, discouraged)?
- 7. Did the task require more **PHYSICAL DEMAND** (physical exertion) or was there more **TEMPORAL DEMAND** (time pressure)?
- B. Did the task require more **PHYSICAL DEMAND** (physical exertion) or was the nature of the **PERFORMANCE** (success in accomplishing the task) more of a contributor?
- **9.** Did the task require more **TEMPORAL DEMAND** (time pressure) or more **MENTAL DEMAND** (thinking, deciding, remembering etc.)?
- **10.** Did the task lead to **FRUSTRATION** (irritation, discouraged) or did the task require more **EFFORT** (how hard you worked)?
- **11.** Was the nature of the **PERFORMANCE** (success in accomplishing the task) more of a contributor than **MENTAL DEMAND** (thinking, deciding, remembering etc.)?
- Was the nature of the **PERFORMANCE** (success in accomplishing the task) more of a contributor than **TEMPORAL DEMAND** (time pressure)?
- Did the task require more **MENTAL DEMAND** (thinking, deciding, remembering etc.) or more **EFFORT** (how hard you worked)?
- **14.** Did the task require more **MENTAL DEMAND** (thinking, deciding, remembering etc.) or more **PHYSICAL DEMAND** (physical exertion)?
- **15.** Did the task lead to **FRUSTRATION** (irritation, discouraged) or did the task require more **MENTAL DEMAND** (thinking, deciding, remembering etc.)?

WORKLOAD CALCULATION SHEET

SCALE	SCALE WEIGHTING NUMBER OF TIMES THIS SCALE WAS CIRCLED (0 to 5)	RAW RATING (Out of 100)	- WEIGTING X RAW RATING
MENTAL DEMAND			
PHYSICAL DEMAND			
TEMPORAL DEMAND			
PERFORMANCE			
EFFORT			
FRUSTRATION			
	Total should be 15		Total Adjusted Rating =

WEIGHTED RATING = (Total Adjusted Ratings) divided by 15 =