

Supplementary Material

Table 1. Statistical effects from data analysis including the different counterbalance and order conditions.

Cue detection and retrieval of the intention in the ON and PM trials	Statistical effects	
	ACC	RT
Group	$F(1,41) = 0.500; p = .484; \eta_p^2 = 0.012$	$F(1,41) = 1.873; p = .179; \eta_p^2 = 0.044$
Type of trial	$F(1,41) = 163.049; p = .000; \eta_p^2 = 0.799$	$F(1,41) = 101.379; p = .000; \eta_p^2 = 0.712$
Blocks order	$F(1,41) = 1.624; p = .209; \eta_p^2 = 0.073$	$F(1,41) = 1.865; p = .168; \eta_p^2 = 0.083$
Letter/colour condition	$F(1,41) = 1.329; p = .256; \eta_p^2 = 0.031$	$F(1,41) = 0.235; p = .630; \eta_p^2 = 0.006$
Group by type of trial	$F(1,41) = 0.139; p = .711; \eta_p^2 = 0.003$	$F(1,41) = 0.277; p = .601; \eta_p^2 = 0.007$
Group by blocks order	$F(1,41) = 1.067; p = .353; \eta_p^2 = 0.049$	$F(1,41) = 2.280; p = .115; \eta_p^2 = 0.100$
Group by letter/colour condition	$F(1,41) = 0.217; p = .637; \eta_p^2 = 0.005$	$F(1,41) = 3.617; p = .064; \eta_p^2 = 0.081$
Group by type of trial by blocks order	$F(1,41) = 0.238; p = .629; \eta_p^2 = 0.005$	$F(1,41) = 1.312; p = .280; \eta_p^2 = 0.061$
Group by type of trial by letter/colour condition	$F(1,41) = 2.710; p = .107; \eta_p^2 = 0.062$	$F(1,41) = 2.710; p = .107; \eta_p^2 = 0.062$
Group by blocks order by letter/colour condition	$F(1,41) = 2.710; p = .107; \eta_p^2 = 0.062$	$F(1,41) = 0.462; p = .501; \eta_p^2 = 0.011$
Cost of PM monitoring in the ON trials	Statistical effects	
	ACC	RT
Group	$F(1,42) = 0.110; p = .742; \eta_p^2 = 0.003$	$F(1,42) = 0.688; p = .412; \eta_p^2 = 0.016$
Prospective load	$F(1,42) = 7.467; p = .009; \eta_p^2 = 0.151$	$F(1,42) = 119.709; p = .000; \eta_p^2 = 0.740$
Blocks order	$F(1,42) = 0.108; p = .742; \eta_p^2 = 0.003$	$F(1,42) = 0.439; p = .507; \eta_p^2 = 0.011$
Letter/colour condition	$F(1,42) = 0.031; p = .862; \eta_p^2 = 0.001$	$F(1,42) = 0.535; p = .468; \eta_p^2 = 0.013$
Group by prospective load	$F(1,42) = 1.303; p = .260; \eta_p^2 = 0.030$	$F(1,42) = 0.464; p = .499; \eta_p^2 = 0.011$
Group by blocks order	$F(1,42) = 1.778; p = .182; \eta_p^2 = 0.078$	$F(1,42) = 3.064; p = .057; \eta_p^2 = 0.127$
Group by letter/colour condition	$F(1,42) = 0.794; p = .378; \eta_p^2 = 0.019$	$F(1,42) = 1.095; p = .301; \eta_p^2 = 0.025$
Group by prospective load by blocks order	$F(1,42) = 0.452; p = .639; \eta_p^2 = 0.021$	$F(1,42) = 0.304; p = .579; \eta_p^2 = 0.014$
Group by prospective load by letter/colour condition	$F(1,42) = 0.671; p = .417; \eta_p^2 = 0.016$	$F(1,42) = 0.033; p = .857; \eta_p^2 = 0.001$
Group by blocks order by letter/colour condition	$F(1,42) = 2.710; p = .107; \eta_p^2 = 0.062$	$F(1,42) = 0.462; p = .501; \eta_p^2 = 0.011$