FIG. 3 - DYNAMIC EPSILON ADAPTATION FLOW

300 START

302 DATA STREAM INPUT

304 CULTURAL CONTEXT ANALYSIS

306 THREAT LEVEL?

NORMAL

CRITICAL

308 STANDARD EPSILON

310 ADAPTIVE EPSILON

FEEDBACK LOOP

312 PRIVACY BUDGET VERIFICATION

LATENCY: <50ms

314 APPLY DIFFERENTIAL PRIVACY

316 UTILITY MONITORING

318 PRIVATE DATA OUTPUT