

```
export type PanelMode = "execution" | "docs";
export type PanelState = "idle" | "loading" | "executing" | "complete" | "error" | "locked";
```

```
export type NodeId =
  | "N_CTRL"
  | "N_10CAT"
  | "N_GSS"
  | "N_LABEL"
  | "N_FOUNDATION_PROGRESS"
  | "N_MICRO"
  | "N_ZOOM"
  | "N_HIST"
  | "N_TH2"
  | "N_REPLAY"
  | "N_MINDWAKE"
  | "N_TOLL"
  | "N_STATUS"
  | "N_LIVE";
```

```
export type UiMode = {
  neon: boolean;
  audio: "OFF" | "OCEAN";
  dashboardMode: PanelMode;
  volume: number; // 0..1
};
```

```
export type VersionStamps = {
  engine: string;
  dataContract: string;
  timeframeCanon: string;
  thresholdRegistry: string;
};
```

```
export type RunPhase =
  | "IDLE"
  | "PREFLIGHT"
  | "PHASE1"
  | "PHASE2"
  | "PHASE3"
  | "PHASE4"
  | "ERROR";
```

```
export type TenCatResult = {
  totalScore: number; // 0..100
  categories: { name: string; score: number }[];
  severity: number; // 0..10
};
```

```
export type GssResult = {
  globalRisk: number; // 0..10
  ibpSync: "SYNC" | "DESYNC";
  whaleRegion: string;
  note: string;
};
```

```
export type FoundationSnapshot = {  
  run_id: string;  
  completedAt: string;  
  tenCat: TenCatResult;  
  gss: GssResult;  
  label: "OK" | "WATCH" | "RISK";  
  stageIIUnlocked: boolean;  
};
```

```
export type PanelDocs = {  
  purpose: string;  
  inputs: string[];  
  outputs: string[];  
  influence: string[];  
  dependencies: string[];  
  notes?: string;  
};
```