EM Intersections Performance Measures – Summary of District Responses

Mark Dunthorn, HNTB

Timeline

- Discussed at SSUG 5/9/2019

- Email sent on 5/13/2019

- Feedback received from 5 districts as of 6/4/2019

Summary

- "Worst Lane Blockage" will be calculated and stored per approach based on the percentage of lanes blocked.

- A separate blockage time will be recorded for each approach.

- Closed takes priority over any percentage of lanes blocked.

PM Reporting

- "Worst Lane Blockage" for each intersection event will be the highest per-approach "Worst Lane Blockage".

- First blockage time will be the first blockage time for any approach.

- Last blockage time will be the last blockage time for any approach. Might be on a different approach from the one that had first blockage time.

- If any approach was at any time Closed then the location will be considered to have been Closed.

QUESTIONS?

SG-4791 – Incident Clock should Start when the Operator Clicks on "new event"

General Discussion

Description in Jira

The incident clock should start when the operator clicks on "new event" rather than at the conclusion of entering several pieces of information. Depending on the efficiency of the operator, this number could be skewed. It also creates challenges in determining true notification times, dispatch times, arrival times, and incident durations.

QUESTIONS?

SG-3875 – Notify Manager Enhancements

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Thresholds

Current:

- Monitors processes and compares CPU and Memory to hard-coded thresholds

Proposed:

- Update thresholds for 64-bit environment
- Set thresholds per application (e.g. higher memory threshold for AVLRR)
- Should thresholds be configurable?

Process State

Current:

- Sends notification when process exits abnormally

Proposed:

- Send notification when process starts or exits abnormally
- What about normal stops? Other state changes?

Level of Detail

Current:

- Notification include no detail

Proposed:

- Include detail from Status Logger:

  PID: 10676, CPU: 0.91%, Working Set: 1,000MB (Last: 993MB, Difference: 6MB), Private Memory: 1,030MB (Last: 1,024MB, Difference: 6MB)

Restarts

Current:

- [SG-4656] Notify Manager requires restart when new operator or email address added

Proposed:

- Notify Manager will subscribe to appropriate messages, not require restart.

Data Archive

Current:

- [SG-3428] Need to avoid archived data loss

Proposed:

- Query database to verify that raw data and rollups are being written

Telemetry

Current:

- No way for Central Office to track SunGuide in the field

Proposed:

- Periodic telemetry message
  - SunGuide version
  - Status of each subsystem
  - Machine-readable format (probably json or xml)

QUESTIONS?

SG-567 – Status Logger Message Evaluation

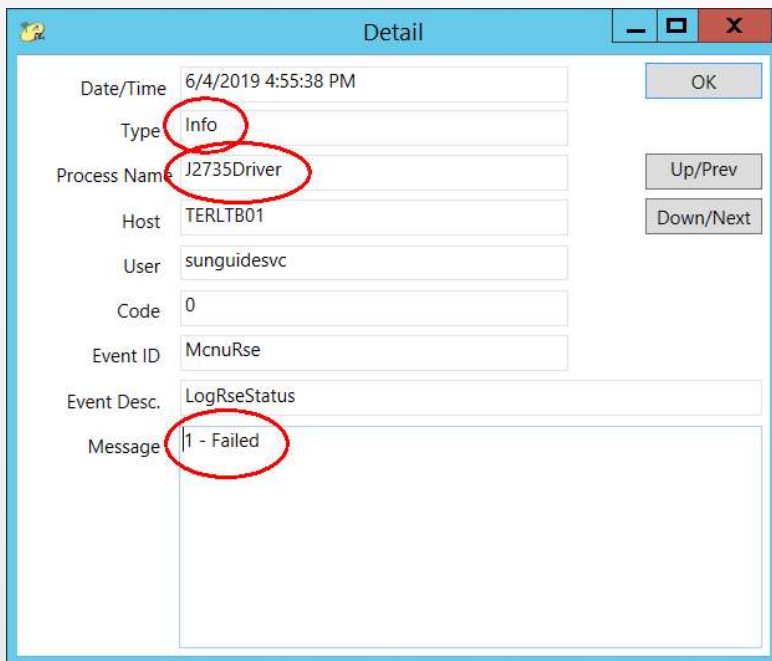Mark Dunthorn, HNTB

Issue

- Some log messages have been identified as needing to be at different log level.

Some examples from the Jira issue:

- MCP communication issues logged at INFO level
- Redundant CCTV Driver errors

Update Jira with more examples

- Current log level (Type) and what you think it should be

- Process Name

- Message

QUESTIONS?