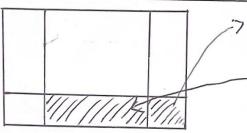


## Hazard Alerts

- \* Dedicated section of the interface for hazard warrings and mitigation actions
- · And ble and visual alasts for immediate hazards
- · A checklist or action plan for amangency procedures



-> Vishal Alets for Mazards. Will deactivate once procedures have been completed

Hazard warrings and mitigation actions. Presents action plan to mitigate

No Hazads System Safe Sensor fault
Airspeed Fault
Attitude Fault
System Fault
Mitigate

## Sato State

This is how the console and hazard alorg section will present itself when it is some

Evor: Sensor	and Airspeed System Sofe Senson Fount	Г
1 ~~~	Sensou Fault Airspeed fault	
2 ~~~	Altitude Family	1
4	Attitude Fantt Sustan Fault	_
44.	Mitigate	7
		1

## Hazard/Mitigate State

This is how the console and hazard alorts section will present itself when be system in unsafe state.

Evrov: Airspeed

System Site
Sensov Fantt
Airspeed fantt
Altitude Fantt
Attitude Fantt
System Fantt
Mitigate

Once one hazard has been mitigated both console and hazard alerts will update to reflect that IF another ever to provide procedue to mitigate Once finished it will reflect back to Sate State

Jensor Data Display
O Digital readonts for airspeed attitude, pitch, roll, you I engine param.  O Visual indicators for data update frequency (e.g., colon change or blinking to indicate fresh data)
Display airspeed affitude & affitude promoter afficient button/light indicating that data/update frequency is efficient
Sonsov will display necessary information regarding the system (sonsove, speed, attitude)  Aivspeed!  Altitude:  Pitch:  Roll:  Poll:  Congine Information:  Congine Information:
Display curent-tine.  Data should be looped to this fine  Last update time -> will issue warning it it is part set time

## Antopilot Control Panel ·Buttons to engage/disengage autopilot Answeren in the second second of the second Control & Manuel Override: a Hitude adjustment, speed, heading · Indicator lights for antopilot status (engaged, disongaged, fant cond.) Buttons -> engage, disengage, etc. Lights to indicate antopilot status Override/reset antopilot settings -> reset values (speed, attitude) autoplot is operating 1. Press Button to Engage This will then reflect with the engaged light being tuned Engage 2. Press Button to Disengage and disengaged light off: Disengage Disengaged 1 Same as above Just vice - vesa 3. Overvide / Roset Button - Outopilot will control place based off data it is given as well as hon From here can specify new airspeed, altitude, attitude it responds to sensors. We can override how it determines its attitude airspeed attitude by using override/ Values Airspeed resoft button Holi Min -Morx Alt: trde Overide/ Reset

Then save new values using submit button

(Submit)

-Should assume mannel overide will not disengant antopilal and instead keep its awart state while modifying new flight plan.

Hight Plan Management · Input field for entering (latitude, longitude, altitude) · Input fields for speed restrictions & expected times of arrival at each wanpoint · A submit button to load I activate flight plan · Vishal display (map) showing covert position, planned route, and waypoints -Input fields (speed, altitude, etc.) -Submit Button to load I activate flight plan Map -> shows cas. position of plane shows planned route & wanpoints 2. Airspeed & Time 1. Specify waypoints: WanPoints Time Speed (units?) Latitude Longitude Alti. Expected Arrival 3. Submit Specify values for each specify min & specify expected max airspeed time verthing of Lathong. I Alt. Submit location Create fight plan · data should be checked (specified) Reset Modifications to flight plan ??? -option to connect specified data - option to delete wanpoint -modifications checked also