



CHECKLIST: ALARMS				
CRITERIA	YES	NO	N/A	COMMENTS
1. Are plant parameters selected for inclusion in the annunciator warning system and the limit or alarm set points for those established, to allow the operator to monitor the status of the plant and respond to out-of-tolerance conditions effectively?				
2. Are alarms presented frequently enough to demonstrate their function, but not enough to be considered a nuisance and ignored by operators?				
3. Are setpoints established to give operators adequate time to respond to the warning condition before a serious problem develops?				
4. Are alarms that require the control room operator to direct an auxiliary operator to a given plant location for specific information avoided?				
5. If general alarms must be used, are they used only for conditions that allow adequate time for auxiliary operator action and subsequent control room operator action?				
6. Are annunciators with inputs from more than one plant parameter set point avoided? Multi-input alarms that summarize single-input annunciators elsewhere in the control room are an exception.				
7. Where multi-input annunciators must be used, is an alarm printout capability provided? The specifics of the alarm should be printed on an alarm typer with sufficient speed and buffer storage to capture all alarm data.				
8. Is a reflash capability provided to allow subsequent alarms to activate the auditory alert mechanism and reflash the visual tile even though the first alarms may not have been cleared?				
9. Are alarms for any shared plant systems duplicated in all control rooms?				
10. When an item of shared equipment is being operated from one control room, is a status display or signal provided in all other control rooms which could potentially control this equipment?				
11. Because of the large number of annunciators typically found in control rooms and the likelihood that numerous alarms may come in concurrently, is some logical prioritization applied such that operators can differentiate the most important or serious alarms from less important ones?				
12. Is prioritization accomplished using a relatively small (24) number of priority levels?				
13. Is prioritization based on a continuum of importance, severity, or need for operator action in one or more dimensions, e.g., likelihood of reactor trip, release of radiation?				
14. Is some method for coding the visual signals for the various priority levels employed? Are acceptable methods for priority coding, including color, position, shape or symbolic coding used?				
15. Is appropriate auditory signal coding for priority level used? See guideline 6.2.23 for recommended coding techniques.				
16. Do alarms that have cleared initiate an audible signal and require positive confirmation?				
17. Do cleared alarms have a dedicated, distinctive audible signal with a finite duration?				



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CRITERIA	YES	NO	N/A	COMMENTS
18. Is a special flash rate (twice or one-half of the normal flash rate is preferred, to be discriminatory), reduced signal brightness, or a special color of visual signal (consistent with the overall control room color coding scheme) used when a visual alarm is cleared?				