

ABS Group Recommendation Development Summary Guidance

Recommendation Levels

Recommendation Level	Addresses	Effect	Time Frame	Advantages / Disadvantages
1 Addresses the causal factor	Corrects the front-line and equipment performance gaps (FLPPGs and EPGs).	Allows process to resume operation.	Short term	<ul style="list-style-type: none"> ▶ Does very little to prevent reoccurrence. ▶ Rapid implementation
2 Addresses intermediate causes of the specific problem	The intermediate causes of the incident related to a specific causal factor	Prevents reoccurrence of the causal factors	Short or medium term	<ul style="list-style-type: none"> ▶ Does not address root causes ▶ Keeps a specific problem from recurring at a specific location or with a specific individual ▶ Does little to prevent other similar types of loss events from recurring
3 Fixes similar problems	Potential extent of the condition and generic implications	Allows corrections to other systems or other locations	Medium or long term	<ul style="list-style-type: none"> ▶ Corrects other systems/ processes ▶ Can affect causal factors OR root causes ▶ Addresses extent of condition/generic implication concerns
4 Corrects the processes that created the problem	Addresses root cause	Prevents similar causal factors, root causes and unrelated incidents from occurring	Long term	<ul style="list-style-type: none"> ▶ Prevents loss incidents / near misses from occurring over a broad range of organizational activities. ▶ Proactive ▶ Prevents future losses

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Key Words and Example Recommendations for Each Level

Recommendation Level	Key Words and Key Word Examples
<p>1 Addresses the causal factor</p>	<p>Key words: repair, replace, correct, adjust</p> <ul style="list-style-type: none"> ▶ Repair equipment ▶ Correct the operator error
<p>2 Addresses intermediate causes of the specific problem</p>	<p>Key words: ... for the ___ involved in the incident...</p> <ul style="list-style-type: none"> ▶ Revise existing procedure for the task involved in the incident to correct <i>deficiencies identified during the investigation</i>. ▶ Change the location of the indicator involved in the incident to make it more readily accessible.
<p>3 Fixes similar problems</p>	<p>Key words: all, other, similar</p> <ul style="list-style-type: none"> ▶ Review and revise as necessary, other procedures, drawings, controls, and labels so they all use consistent terminology for each piece of equipment. ▶ Review other similar procedures to determine if there are similar problems in those procedures. Revise other procedures as necessary to address <i>deficiencies identified</i>. ▶ Modify all other fan belts to eliminate the use of flat belts.
<p>4 Corrects the process that created the problem</p>	<p>Key words: process, policy, system, standard, practice, guideline.</p> <p>Implied key words: From now on, we will In the future, we will</p> <ul style="list-style-type: none"> ▶ Develop a standard for the development of safe work practices (<i>that will be used from now on</i>). ▶ Review the process for writing procedures and verify that it provides the right guidance for addressing hazards, PPE, cautions, and warnings. ▶ Revise the procedure writing guidelines to require field verification of equipment numbers. ▶ Develop a process for receiving equipment into the warehouse.