



## Hazard Identification, Risk Assessment and Mitigation Measures

Following are the three basic steps used to manage risk:

1. Identify the hazard
2. Assess the risk
3. Mitigate the risk (make changes to reduce the likelihood of its occurrence) by elimination, substitution, safeguards, etc.

Step	Potential Hazard	Consequence(s)	Control Measure(s)	Person responsible	Comments/Suggestions
Sampling point	Over loading of flow path	<ul style="list-style-type: none"> <li>• Compliant and non-compliant goods mixed</li> <li>• Goods may escape flow path presenting WHS risks or compromise hygiene of site</li> <li>• Sampling may be inadequate</li> </ul>			
	Inability to identify origin of goods	<ul style="list-style-type: none"> <li>• Goods from multiple sources loaded at intake may be presented for sampling</li> <li>• The source of a contaminated sample may be difficult to identify</li> <li>• Unnecessary rejection</li> </ul>			

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Step	Potential Hazard	Consequence(s)	Control Measure(s)	Person responsible	Comments/Suggestions
	Contamination of flow path or goods between source and sampling point	<ul style="list-style-type: none"> <li>• Goods become contaminated with live or dead insect pests, rodents, birds, animals or contaminants</li> <li>• Goods contaminated by mouldy or infested product, moisture or weed seeds and soil</li> <li>• Goods will not pass inspection and be rejected</li> </ul>			
	Live pests or contaminants above specified tolerances detected in inspected samples	<ul style="list-style-type: none"> <li>• Integrity of flow path compromised and goods may be rejected</li> <li>• Contaminated goods entering the flow path</li> <li>• Goods do not meet importing country/ phytosanitary conditions at outturn, export certification cannot be issued</li> <li>• NCG enter ECGS</li> </ul>			
	Sampling cannot keep up with movement of goods	<ul style="list-style-type: none"> <li>• Sampling may be rushed and infestation/ contamination not detected</li> </ul>			
	Inspection cannot keep up with sampling/movement	<ul style="list-style-type: none"> <li>• NCG enter ECGS</li> <li>• Flow paths and ECGS integrity comprised by the potential transfer of NCG</li> </ul>			

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Step	Potential Hazard	Consequence(s)	Control Measure(s)	Person responsible	Comments/Suggestions
	Inadequate facilities/ resources/condition for sampling. e.g. poor light, fumigant, dust or equipment	<ul style="list-style-type: none"> <li>• Infestation/contamination not detected and extraneous material is allowed to enter flow path</li> <li>• Flow paths and ECGS integrity comprised by the potential transfer of NCG to ECGS storage</li> </ul>			
	Breakdown of sampling equipment	<ul style="list-style-type: none"> <li>• Movement of goods must stop or be deemed non compliant until inspection is possible</li> </ul>			
	Traceability (Tracking mistakes)	<ul style="list-style-type: none"> <li>• Movement along the flow path is not appropriately tracked</li> <li>• Integrity of goods compromised and records inaccurate</li> </ul>			
<b>Flow path from sampling point to ECGS (Intake into ECGS flow path)</b>	Post-inspection contamination (e.g. from flow path)	<ul style="list-style-type: none"> <li>• Goods become contaminated with live or dead insect pests, rodents, birds or animals</li> <li>• Goods contaminated by mouldy or infested product, moisture or weed seeds and soil</li> <li>• Goods rejected overseas</li> </ul>			
	Flow path not inspected prior to movement	<ul style="list-style-type: none"> <li>• ECG and ECGS integrity compromise</li> <li>• Goods rejected overseas</li> </ul>			

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Step	Potential Hazard	Consequence(s)	Control Measure(s)	Person responsible	Comments/Suggestions
	Breakdown of conveyance	<ul style="list-style-type: none"> <li>• ECG on conveyor may be contaminated/infested</li> <li>• ECG integrity compromised</li> </ul>			
	ECG directed to non ECGS location	<ul style="list-style-type: none"> <li>• Export compliant goods may be sent to storage which is not passed for ECGS and integrity of ECGS compliant goods compromised</li> <li>• Goods no longer considered as export compliant.</li> </ul>			
	Inability to isolate or divert Non-Compliant goods (infested/contaminated )	<ul style="list-style-type: none"> <li>• Cross contamination of ECG and NCG</li> <li>• Flow path contamination</li> <li>• Treatment may be required</li> <li>• Re-inspection of goods required</li> </ul>			
	Contamination of flow path or goods between sampling and storage	<ul style="list-style-type: none"> <li>• Cross contamination of ECGS, ECG and NCG</li> <li>• Goods become contaminated with live or dead insect pests, rodents, birds or animals</li> <li>• Goods contaminated by mouldy or infested product, moisture or weed seeds and soil</li> <li>• Re-inspection of goods required</li> </ul>			

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Step	Potential Hazard	Consequence(s)	Control Measure(s)	Person responsible	Comments/Suggestions
	Traceability failed(Tracking mistakes)	<ul style="list-style-type: none"> <li>• Movement along the flow path is not appropriately tracked</li> <li>• Integrity of goods compromised and records inaccurate</li> </ul>			
<b>Storage of goods</b>	Presence of infestible residues/contamination in empty storage receptacle before loading <i>(contaminated empty bin)</i>	<ul style="list-style-type: none"> <li>• ECGS compliant goods contaminated</li> <li>• Contaminated goods are exported</li> <li>• Goods rejected overseas</li> <li>• Damage to reputation and business</li> <li>• Potential suspension/cancellation of ECGS</li> </ul>			
	Integrity of ECGS storage receptacle compromised during storage of ECG (inadequate sealing & security of bins)	<ul style="list-style-type: none"> <li>• Goods become contaminated with live or dead insect pests, rodents, birds or animals</li> <li>• Goods contaminated by mouldy or infested product, moisture or weed seeds and soil</li> <li>• Contaminated goods are exported</li> <li>• Goods rejected overseas</li> <li>• Damage to reputation and business</li> <li>• Potential suspension/ cancellation of ECGS registration</li> </ul>			

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Step	Potential Hazard	Consequence(s)	Control Measure(s)	Person responsible	Comments/Suggestions
	28 day storage period exceeded	<ul style="list-style-type: none"> <li>• Goods are deemed as non compliant and must be re-inspected before export</li> </ul>			
	Traceability (Tracking mistakes )	<ul style="list-style-type: none"> <li>• NCG or contaminated goods are accidentally put in ECGS storage receptacle</li> <li>• Contaminated goods may be exported</li> <li>• Goods that have been stored for longer than 28 days exported without re-inspection</li> <li>• Damage to reputation and business</li> <li>• Potential loss of ECGS registration</li> </ul>			
	Unauthorised access to the ECG (security of ECGS and establishment)	<ul style="list-style-type: none"> <li>• Goods may become contaminated and lose ECG status</li> <li>• Sabotage</li> </ul>			
<b>ECGS to Point of Export</b>	Contamination of flow path or goods between ECGS and Point of Export	<ul style="list-style-type: none"> <li>• Cross contamination/ infestation with live or dead insects of ECG</li> <li>• Goods contaminated by mouldy or infested product, moisture or weed seeds and soil</li> <li>• Goods rejected overseas</li> </ul>			
	Goods Transferred from a storage not ECGS approved	<ul style="list-style-type: none"> <li>• Goods non export compliant</li> <li>• Flow path contamination</li> <li>• Goods rejected overseas</li> </ul>			

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Step	Potential Hazard	Consequence(s)	Control Measure(s)	Person responsible	Comments/Suggestions
	Breakdown of conveyance	<ul style="list-style-type: none"> <li>• ECG on conveyor may be contaminated/infested</li> <li>• ECG integrity compromised</li> </ul>			
	Flow path not passed	<ul style="list-style-type: none"> <li>• ECG and ECGS integrity compromise</li> <li>• Goods rejected overseas due to infestation and contamination</li> </ul>			
	Traceability (Tracking mistakes)	<ul style="list-style-type: none"> <li>• Movement along the flow path is not appropriately tracked</li> <li>Integrity of goods compromised and records inaccurate</li> </ul>			

## Any Additional Hazards Identified

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Step	Potential Hazard	Consequence(s)	Control Measure(s)	Comments/Suggestions

**Appendix A - Detailed Version History**

Date	Version	Detail reason for issue or amendments	Author / Document Owner
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<b>Published</b>			<b>(Program)</b>
15 March 2013	Version	To allow ECGS registered export establishments to have prescribed goods inspected for export compliance at an earlier stage in the supply chain and securely stored in an approved receptacle (storage) for a period of up to 28 days before export.	Plant Export Operations

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