



Guidance Note

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Issued on behalf of the: Amusement Device Safety Council (ADSC) ADIPS Ltd Suite K, Business & Innovation Centre Sunderland Enterprise Park East Wearfield Sunderland SR5 2TA. Phone: 0191 5166381 Fax: 0191 5166382 www.adips.co.uk email: office@adips.co.uk	Title: In-Service Annual Inspection: Role of NDT and Mechanical/Structural Inspection Bodies. Issued 1st June 2010
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Introduction:

This Guidance note is to clarify the different roles of IB's providing Mechanical/Structural Examination and Non Destructive Testing during In-Service Annual Inspection of an Amusement Device.

It is possible that standard reports of NDT may be being used by IBs carrying out structural and mechanical inspections, in order to satisfy part of their own inspections. This could result in strip down where necessary to determine wear, deterioration and integrity, not being carried out by the IB charged with that duty.

The result may be that in some instances a full inspection may not have taken place as a correct assessment of stripped down items to determine wear, deterioration and integrity might not have happened.

Some problems noted are as follows:

- An NDT practitioner might only be registered with ADIPS, solely for NDT and not for mechanical and structural disciplines of service inspection. They will therefore not have demonstrated their competence for that part of the process.
- Reports issued by NDT practitioners may not detail where their assessment has included checking for wear, deterioration, integrity etc.
- The NDT practitioner follows an NDT schedule, and might not have even been looking for deterioration, wear, integrity etc., in the mechanical and structural components. This means that if the responsible IB is relying upon the NDT report, for the wear, deterioration and integrity part of the process, then in some cases this might mean that the inspection has not been satisfactorily completed.
- By relying upon the NDT report alone, and not requiring relevant components to be stripped down for visual assessment during their own inspection, the IB charged with carrying out the structural and mechanical parts of the in service inspection may not have been able to determine wear, deterioration and integrity to the required level.

AIB's and IB's should not rely upon normal NDT Inspections as the visual assessment to determine the condition of mechanical and structural parts of the device.

Mechanical/Structural Examination

The main role of the IB carrying out Mechanical/Structural examination is inspection of all safety critical mechanical and structural components of a device, for wear, deterioration and integrity. Where necessary the IB carrying out this process will require the device to be disassembled and some items to be stripped down, in order to access the relevant components.

This role should only be carried out by IB's who are registered with ADIPS for the appropriate disciplines.

Non-Destructive Testing

The role of the NDT inspector is to check for defects in the components and structures of an Amusement Device as required by the written schedule of NDT. Assessment carried out during this inspection cannot be deemed to be the examination of the mechanical and structural components of a device, for wear, deterioration and integrity unless:

- the NDT practitioner is registered with ADIPS in the relevant disciplines, and;
- is specifically charged with carrying out these parts of the parts of the inspection process, and;
- provides a detailed related examination report.

Also, where any significant defects are found during an NDT examination an appropriate course of action must be agreed by the IB carrying out the Mechanical/Structural examination before any such action is taken.