



Why we need Inspection Service

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DATE: 24 JUN 2022

Self-introduction



Jane Wong received Engineering Doctorate in Quality Management, and MSC in Technology Management from The Hong Kong Polytechnic University.

Jane has over 30 years experience in inspection business at Intertek Testing Services (ITS), and DEKRA Certification Hong Kong Ltd. (ex-KEMA Quality Hong Kong Ltd.) commenced as the QA Engineer conducting onsite inspection for E&E products to Assistant General Manager responsible for South China inspection business and Greater China business development in ITS, then her excellent knowledge and network in retailer services excelled her in another challenge as Sales Manager in DEKRA South China.

A strong advocate for hands-on, quality and customer-oriented mentality, she involves her sub-ordinates in a variety of problem-solving and technology-infused activities that provide them with opportunities to use their testing, certification and inspection expertise to help customers to timely and legally response to the market.

Now, she works at General Inspection Services (GIS) as Retail Sales Director.

Vice Chairman of HKSQ and Co-opted Members of HKQF

Content

- 1. GIS Introduction
- 2. Why we need Inspection Services
- 3. Quality Assurance & Quality Control in the Global Supply Chain
- 4. Inspection Services Introduction
- 5. Workflow of Inspection Service
- 6. Product Categories
- 7. AQL Table / Drop Test Table
- 8. Case Study
- 9. Roadmap for Inspection
- **10**. AOB

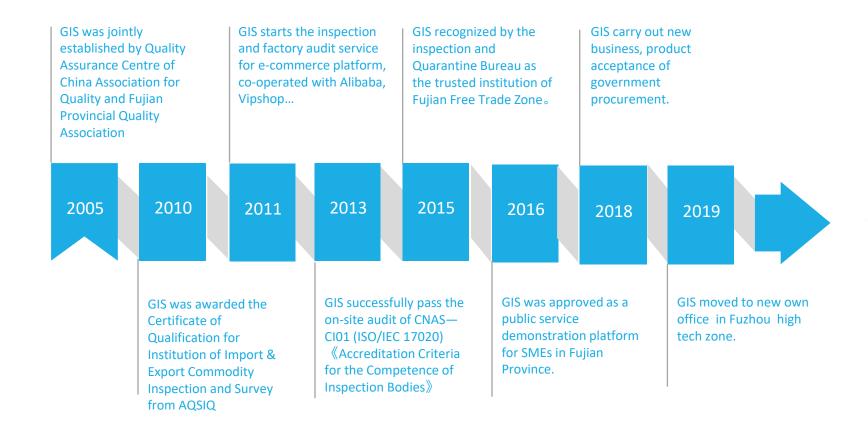
GIS Introduction





- GIS (General Inspection Service Co., Ltd) is a professional quality engineering and management consultation and service company, has been providing the services of third party inspection, plant evaluation as well as project quality management, product testing and inspection and quality engineering consultation since 2005.
- GIS is devoted to assist the clients to establish and improve quality assurance and quality control and effectively help the clients to develop and supervise their suppliers.
- GIS is qualified by General Administration of Quality Supervision and Quarantine of P.R China.

GIS Introduction - History



GIS Introduction -Certification











License

营业执照

Certificate

检验鉴定机构资质

CNAS

CNAS认可决定书

Membership

常务理事会员证书

High Tech

国家高新技术企业

GIS Introduction - Geography Coverage

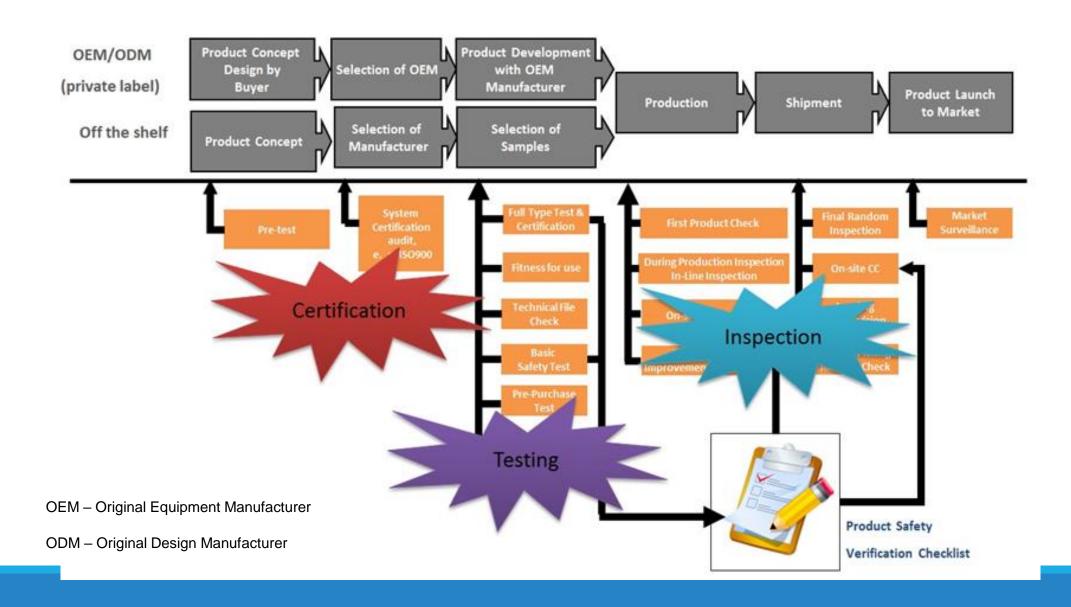


Why we need inspection services?

Quality control is a key success factor for companies dealing with suppliers. On-site quality inspections and factory audit services help businesses to:

- Reduce risks associated with poor quality, loading, storage, transportation and non-compliance with regulatory requirements
- >Get informed in advance about production problems and shipping delays
- Ensure that contractual obligations are met specifications, packaging, marking and delivery,
- ➤ Identify problems before products are shipped or distributed
- Establish and maintain a high-performance vendor base throughout the world and lower costs.

Quality Assurance & Quality Control in the Global Supply Chain



Pre-Production Inspection (First Article Check)



Pre-production inspection is to be conducted at the beginning of production or even before the start of manufacturing.

Our duties



- Check the raw materials and components used in production;
- Sample and test semi-finished products to detect potential defects;
- Evaluate the quality system of the production line;
- Assess the management and ability of production equipments;
- Assess the production capacity of the manufacturer;
- Provide technical advice to the factory to improve product quality and minimize defects;
- Assess production schedule.



During Production Inspection (DPI) / In-line Inspection



During-production inspection is to be conducted when 10%-15% of the production is completed.

Our duties

- Sample and evaluate the products for safety, performance, design, function and appearance;
- Check for any defects and deviation from clients' specifications and/or given samples;
- Evaluate the packing methods and packing material;
- Check and evaluate the quality management of production line;
- Evaluate the production progress against the schedule and predict if the shipment is on schedule;
- Give practical and effective advices to improve quality in accordance of the findings.



Pre-Shipment Inspection (PSI) / Final Random Inspection (FRI)



Pre-shipment inspection takes place when the merchandise is finished, packed and ready for shipment. Sampling is implemented in accordance with the internationally recognized acceptance sampling standards. e.g. ISO2859/ANSI/ASQCZ1.4 /BS6001/DIN40080/NFX06-022, etc.

Our duties:



- Check quantity, accessories, assortment, labeling, shipping mark, etc. against the purchase order, given samples and technical documents;
- Sample and evaluate product for safety, design, function, appearance, and performance;
- Check for any defects and deviation against the technical standards or requirements;
- Assess packaging form.



Loading Supervision



Loading supervision is a loading process control when the products are being loaded into the container.

Our duties:

- Check the container condition;
- Verify the products loaded;
- Closely monitor the loading process;
- Verify the quantity;
- Ensure proper handling of the goods and proper stack in the container.

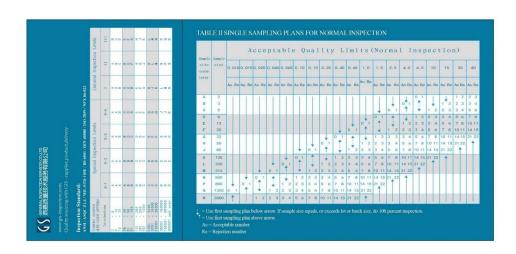
As soon as the inspection is finished, the container will be sealed with the shipping line seal. And seal number is recorded in the loading report.

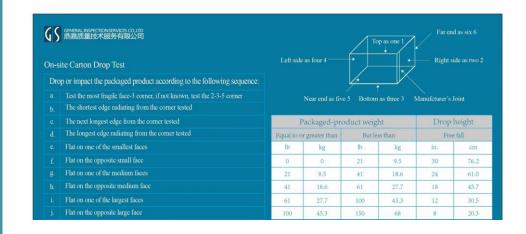


Product Categories



Electronics	Soft goods	Hardgoods	Mechanical products	
Household electrical appliances such as coffee machine:	Garment such as apparel :	Handicraft such as glass ornament :	Electromechanical device such as generator :	
Audio & video products such as DVD player:	Footwear such as shoes:	Household products such as garbage tin:	Machine parts such as hydraulic parts:	
Electronic equipment such as door bell :	Home textile such as curtain :	Furniture such as Office chair :	Auto parts such as damping spring :	
Computer device such as USB hub:	Fabric such as knitted fabric:	Toys such as scooter:	Pump such as diesel pump :	
Lighting products such as LED bulb	Bags / suitcases such as backpack :	Building / house furnishing products such as flooring:	Mould such as casting mould:	
Components such as charger		Sports equipment such as stepper:	Machine Parts such as spring washer:	





AQL / Drop Test Table

Case Study -Example of Inspection plan

	Item	No. of quantity (pieces)	No. of Samples inspected	No. of Carton	No. of Carton drawn
1 st inspection	А	1200	80	60	8

		Single item
1 st inspection	At least	√Total Packed Cartons

Note : Round down when <0.5 and round up when ≥0.5

Case Study - Quantity check

100/80 rule:

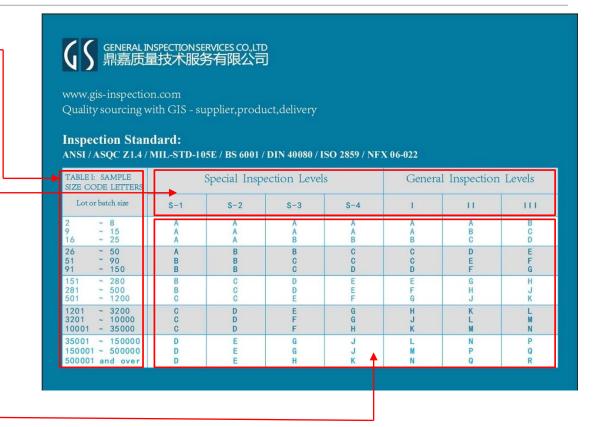
100% production finished, and at least 80% packed into cartons, with balance under packing stage should be ready for inspection.

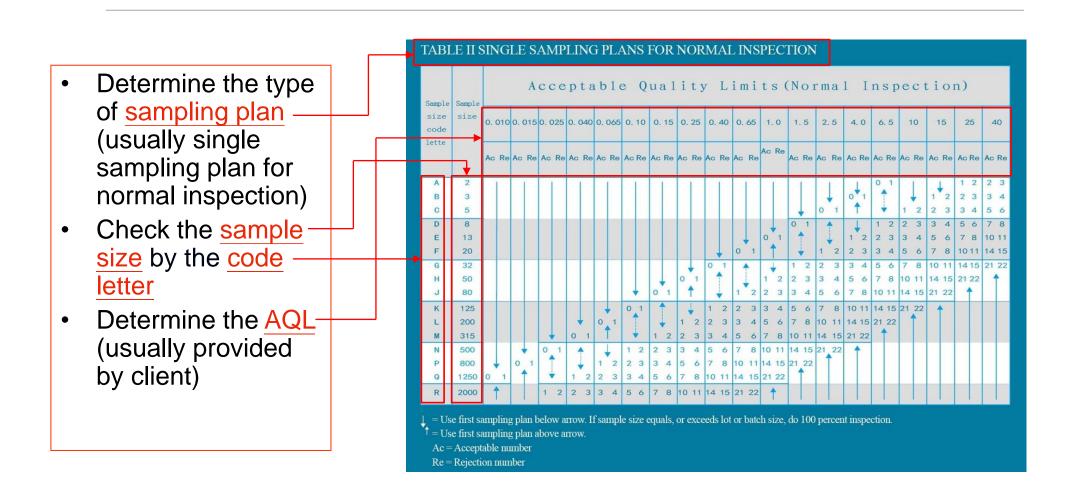
Special attention

- a. Empty export carton
- **b.** Disorderly stacking
- c. Separate stacking
- d. Supposititious goods (Fake, repeat)

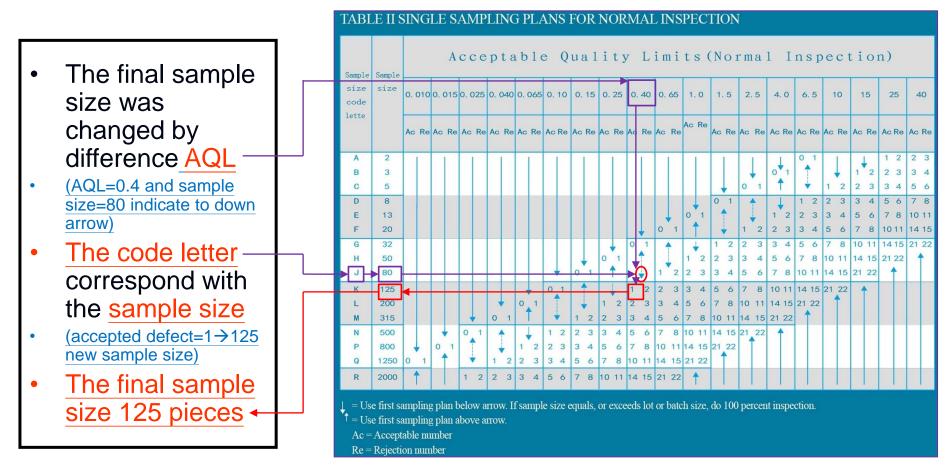


- - inspection level (usually provided by client)
- Enter table I and find sample-size code letter)

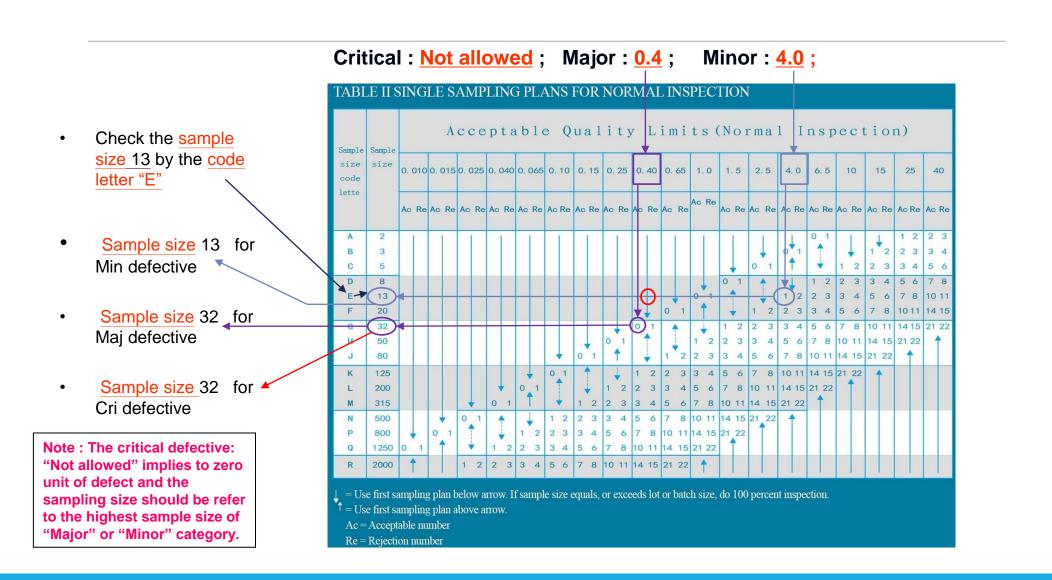




It was not the final sample size that code letter was corresponding the simple size sometimes.



Note: General Defect Classification include Critical, Major & Minor, so AQL face to these three defects



Case Study - Sampling Plan & AQL

Ac/Re (14/15) means the maximum number for Major defects allowed is 14pcs in total 315pcs inspected; 15pcs and the above Major defects may result in whole lot will be rejected.

Ac/Re (21/22) means the maximum number for Minor defects allowed is 21pcs in total 315pcs inspected; 22pcs and the above Minor defects may result in whole lot will be rejected.

Roadmap of Inspection

- ➤ISO 17020, is called "General Criteria for the Operation of Various Types of Bodies Performing Inspection".
- ➤ISO 17020 is aimed at ensuring that *inspection companies* are genuinely independent. Furthermore, that they have processes to ensure their staff are unbiased. Therefore, it is a standard that verifies those who measure things. (Source from ISO/IEC 17020 Wikipedia, la enciclopedia libre)
- Hong Kong Inspection Body Accreditation Scheme (HKIAS) is operated by the Hong Kong Accreditation Service (HKAS). HKAS also operates the Hong Kong Laboratory Accreditation Scheme (HOKLAS) and the Hong Kong Certification Body Accreditation Scheme (HKCAS). HKIAS started to accept applications from 15 December 1999. Initially, it only provided accreditation for consumer product inspection. From 1 April 2002, accreditation service is extended to inspection of construction products and inspection of welds. (Source from ITC Hong Kong Inspection Body Accreditation Scheme (HKIAS))
- ➤HKIAS ISO/IEC17020 for Inspection Bodies by IVE (持續專業進修)
- ➤ Hong Kong Qualifications Framework (HKQF) for Testing, Inspection and Certification (TIC) (Source from Testing, Inspection & Certification Home (hkqf.gov.hk)) and also Co-opted Members of HKQF (Testing, Inspection & Certification Promotion & Consultation Subcommittee (hkqf.gov.hk))

AOB & Thank you

Please visit our website for detail information:

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