TITLE



QMS for AIS/MAP Service Implementation Workshop (Dakar, Senegal, 17 – 19 May 2011).

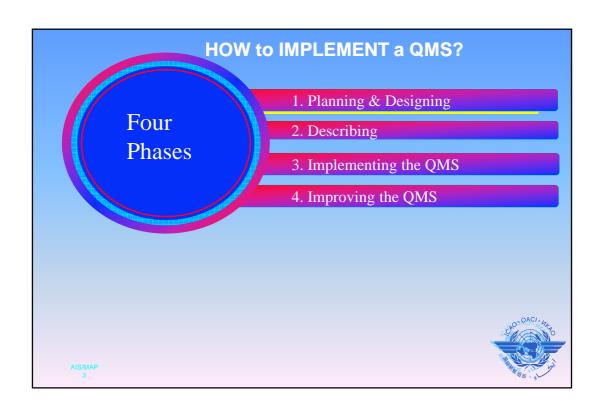
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AFI AIS/MAP Seminar/Workshop Dakar, 11-14 October 2005

UNDERSTANDING AND IMPLEMENTING ISO 9001:2008







TOP MANAGEMENT

Since ISO 9001:2000 there is significant emphasis on the role of Top Management

- "provide evidence of commitment"
- "establish the quality policy"
- "ensure quality objectives are established"
- "conduct management reviews"
- "ensure availability of resources"

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TOP MANAGEMENT

Gaining Management Support

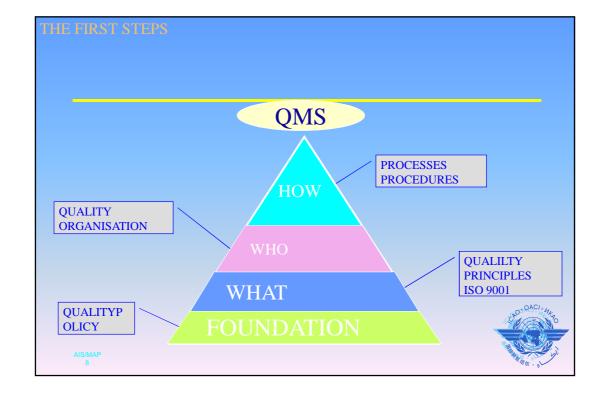
- Education, training
 - ensure management understand the need for a quality management system and the potential benefits
- Investments/Dividends
 - management will understand the concepts of investing in order to achieve returns
 - stress the long term cost advantages and potential improvements in efficiency

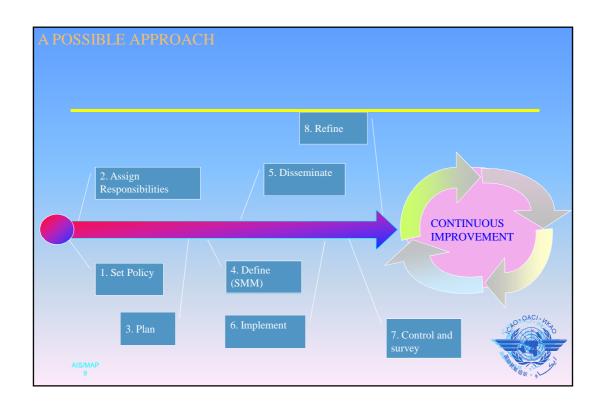


COST of IMPLEMENTATION

This will depend upon a number of factors, for example:

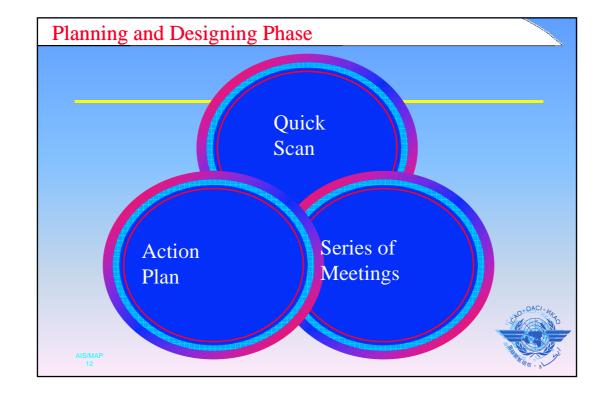
- The size of the organisation
- The number of distinct processes and activities that need to be managed
- How well the organisation is managed
- The amount of required documentation, e.g. records, that already exist











INITIAL SURVEY

Start by reviewing the current situation

- What elements of a QMS are already in place?
 - **▶** Organisation charts
 - > Process documents
 - > Forms and records
 - Job descriptions



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IDENTIFY MISSING ELEMENTS

- Identify the items required that are not in place, these may be for example:
 - > some process documents
 - > some necessary records
 - > an internal quality audit process
 - > a formal management review process
 - > a continual improvement process
- In effect you are performing a "Gap analysis"



IMPLEMENTATION PLANS

- In order to ensure a successful implementation it must be planned, e.g. as a project
- Resources must be identified
- Activities planned and assigned
- Time scales agreed and documented
- Responsibilities allocated
- Progress must be regularly monitored



	ACTIVITY				199	9						2000)				
	Initial ISO 9001	M	J	J	A	S	0	N	D	J	F	M	A	M	J	J	
	Briefing	_															
	Assessment of																
Trusical	current systems																
Typical	Formulate Action Plans				-												
ISO	Appoint Project/																
130	Quality Coordinator ISO 9001 training																
0001	for coordinator				-												
9001	Write procedures/																
A -4:	implement systems																
Action	Internal Quality Auditor training																
D1	Management review						-		-		-						
Plan	of ISO 9001 systems Contact ISO 9001																ļ
	Assessment Bodies									-							
	Quality Awareness																
	Training (all staff) Implement systems/																
	Implement systems/ Internal Audits												_				QAC OAC
	Formal ISO 9001																Y CONTRACTOR OF THE PARTY OF TH
	Assessment																

Describing ISO 9001 Implementation



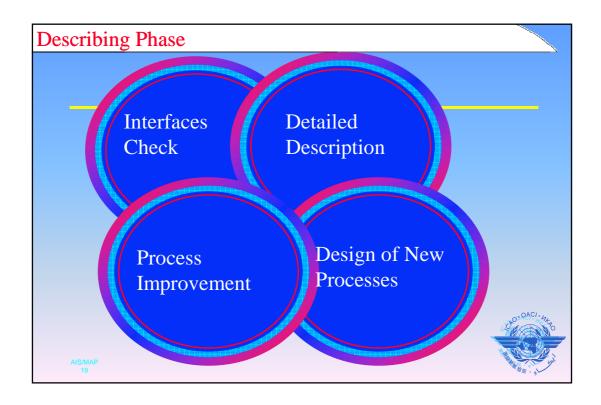


Describing Phase

- 1. Description of What Exists
- 2. Interfaces
- 3. Process mapping







OMS FRAMEWORK

The framework of the Quality Management System starts with Top Management

- they set the business objectives
- they must then establish an organisation to put those policies into action
- they must ensure that key processes are controlled
- they must identify responsibilities and interfaces
- they must ensure that resources are provided



ISO 9001 FRAMEWORK

ISO 9001 states:

- All requirements are intended to be generic
- Applicable to all organisations
- Where a requirement cannot be applied it can be considered for exclusion
- Exclusions are limited to clause 7
 - → Must not affect ability to provide product that meets customer and regulatory requirements



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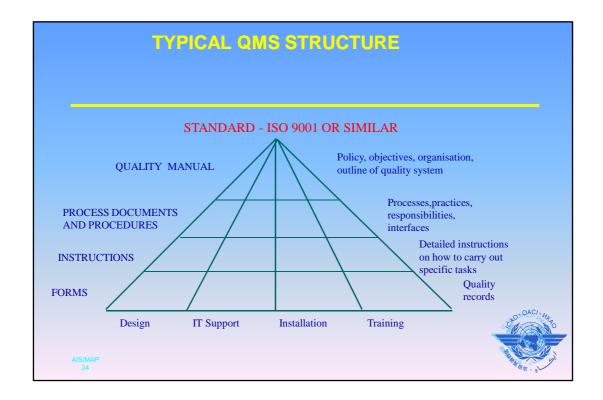
SUGGESTED APPROACH

- Examine requirements of clause 7
- Determine whether any may be considered for exclusion
- Be sure that this can be justified against the ISO 9001 stated criteria
- Document the exclusion and justification in the Quality Manual



SYSTEM DOCUMENTATION

- The framework of the system documentation will depend upon the business structure, e.g.
- The size and complexity of the organisation
- Is there a department or team-based structure?
- A typical documentation structure is shown on the next slide.



DOCUMENT FORMAT

ISO 9001 States:

- "The documentation may be in any form or type of medium"
- Therefore it could be in text form or in the form of process maps/flowcharts
- It could be a paper-based system or could be on computer, e.g. accessed via an intranet browser



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CHOOSING a FORMAT

- Each organisation can choose its own format
- The majority at present have paperbased text documents
- Increasingly organisations are using flowcharts and "computerised" systems
 - ↓ a computer based solution often has advantages when it comes to document and change control

Implementing ISO 9001



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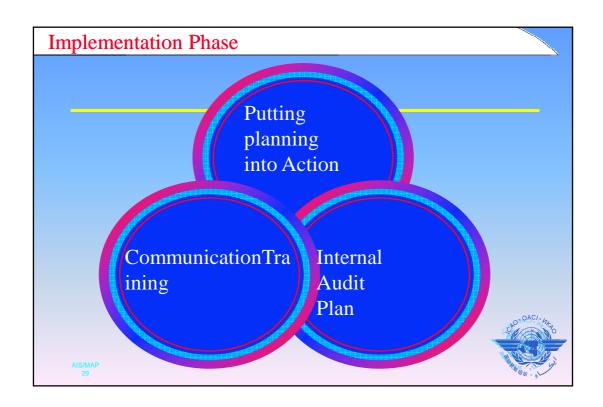
Implementation Phase

1. Making the QMS Work

2.Involving







PRODUCING the QMS Documentation

THE QUALITY MANUAL

- Description of the organisation
- Quality Policy, key objectives
- Structure of the organisation
 - Interfaces, responsibilities
- Overview of the Quality System
 - show approach to Standard requirements
 - detail and justify any exclusions



PRODUCING the QMS Documentation

PROCESS Documents

- Do we need process documents?
- The ISO 9001 standard calls for few mandatory procedures
- The question is do we need documents in order to effectively control our business processes?

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PRODUCING the QMS Documentation

Benefits of process documents

- Provide consistency/repeatability
- Define responsibility/authority
- Continuity when staff change
- Assist in staff training
- Help identify cause of errors
- Benchmark for improvement



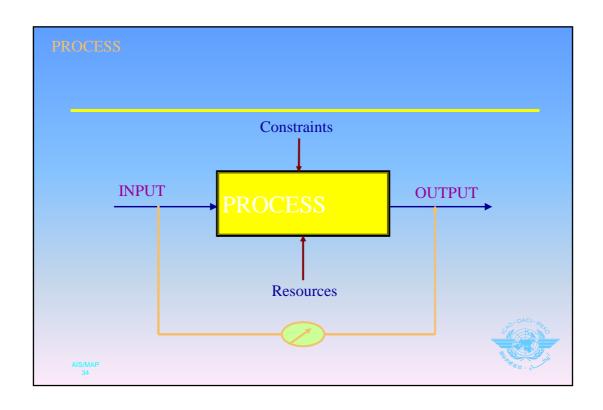
PROCESS

Definition:

Set of inter-related or interacting activities which transforms inputs into outputs

ISO 9000





PROCEDURE

Definition:
Specified way to carry out
an activity or process
ISO 9000



i.e. describes how a process is performed



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GOOD PROCEDURE

- Process based not ISO 9001 clause based
- > Should not be excessive
- Simple, clear, concise style
- Aimed at education/experience
 of personnel using procedure
- Realistic do not specify the impossible





PROCEDURE DEVELOPMENT

- Establish current practice
- Document current practice
- Review current practice
- Prepare procedure
- Review and approve
- Issue procedure



PRODUCING PROCEDURES

- Establish standard format/template
- Indicate approval/revision status
- Consider using flow charts or process maps
- Train the procedure writers

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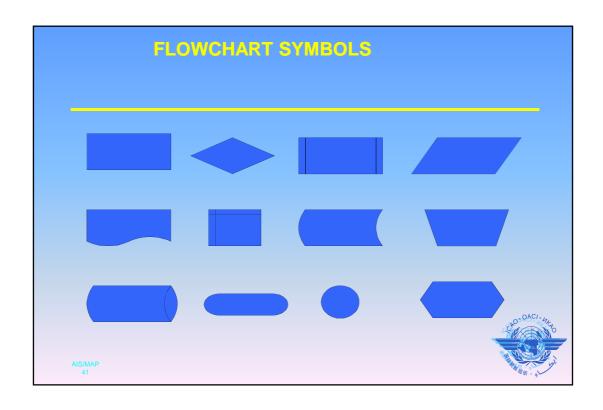
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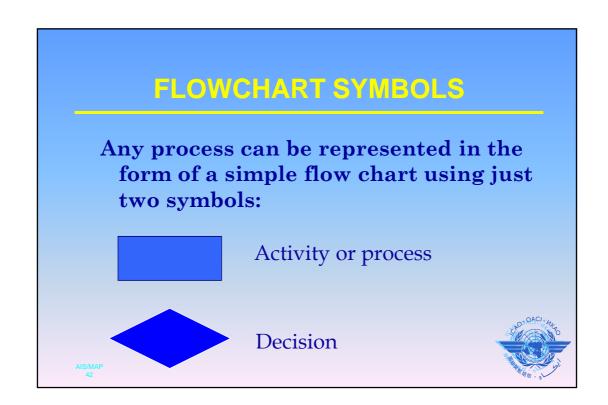
FLOWCHARTS

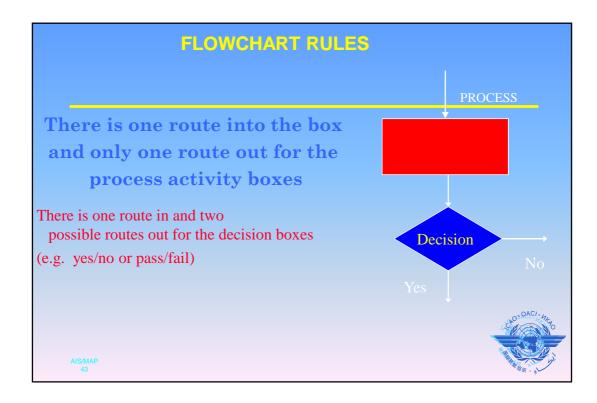
Using a flowchart is a very effective way to describe a process

"a picture is worth a thousand words"





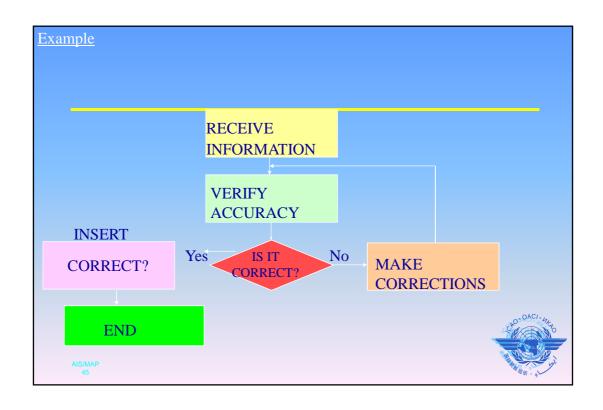




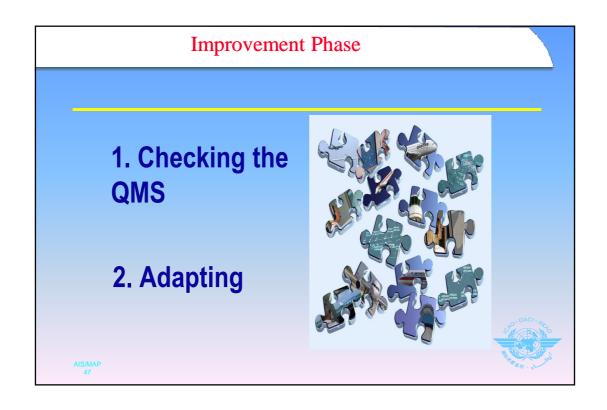
PROCESSES and DECISIONS

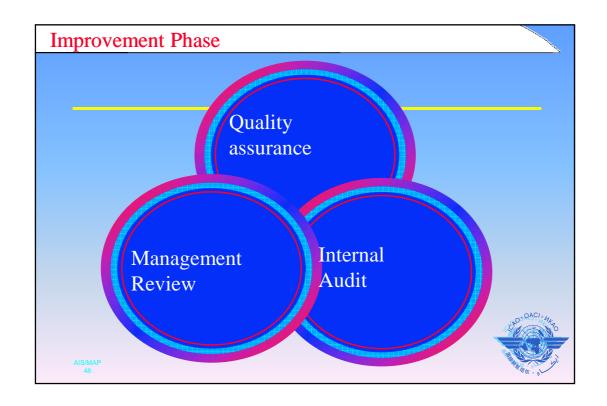
- Process boxes describe a task, and the text contains a verb
 - > e.g. *file* the form, or *amend* the document
- Decision boxes ask a question, with two possible answers
 - e.g. is information correct, or does the product meet the requirements?











Internal Quality Systems Audits



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AUDIT OBJECTIVES

- (1) To ensure that procedures are being followed i.e. We are doing what we say we do
- (2) To determine the effectiveness of the systems and procedures in meeting the quality objectives
- (3) To afford an opportunity to improve the quality system

AUDITING STANDARDS

ISO 10011 Guidelines for auditing quality systems

Part 1: Auditing

Part 2: Qualification criteria for

quality systems auditors

Part 3: Management of audit

programmes



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ISO 9001:2008

WHAT DOES THE ABOVE STANDARD SAY ABOUT INTERNAL QUALITY SYSTEMS AUDITING?



8.2.2 INTERNAL AUDIT

- Verify compliance, effectiveness
- Planned audit programme
- **▶** Independent auditors
- Documented procedure
- ► Timely corrective action
- ► Follow-up activities

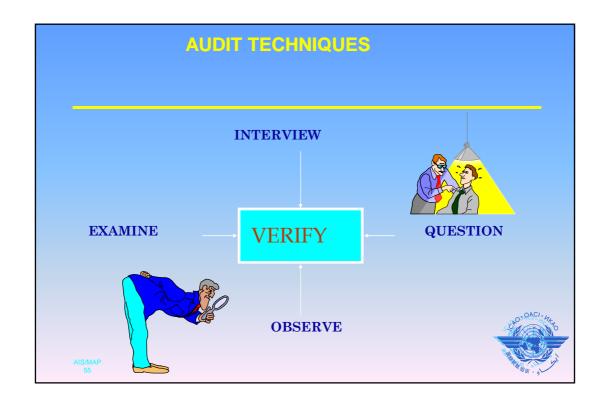


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AUDIT PROGRAMME

- Audits planned in advance
- Audits are not random spot checks
- Scheduled usually by department, function, or process
- Consider the status and importance of process, and previous results





AUDIT REPORT

Summary of results, including:

- ► Scope, dates, auditors
- > Satisfactory areas
- ► Nonconformities (refer to NCR's)
- > Observations, recommendations



FOLLOW-UP

- Auditee responsible for corrective preventive actions
- Auditor follows-up action to ensure it is taken and effective
- Audit actions are closed records

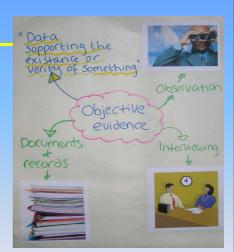


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SUMMARY OF AUDIT PROCESS

- PLANNING
 Schedule, Preparation,
 Checklist
- AUDITING
 Opening Meeting, Audit,
 Closing Meeting
- COMPLETION

Report, Corrective action, Follow-up





BENEFITS OF AUDITING

- Verifies that procedures are followed
- Reviews effectiveness of system
- Helps to identify problem areas
- Assists transfer of best practice
- Effective mechanism for continuous improvement

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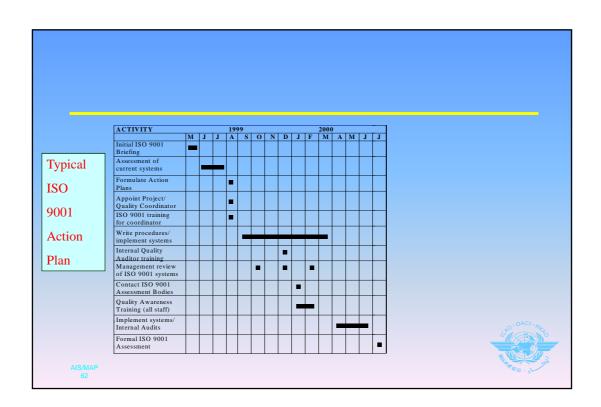
Preparing for Certification



ISO 9001- Steps in Implementation

- Management decision/commitment
- Decide scope of system
- Review current situation report gaps
- Formulate action plan
- Document & implement processes
- Review and internal audit
- Formal assessment

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KEY QUESTIONS

Before inviting an external assessment check the following:

- Are the mandatory documents in place quality manual and procedures?
- Are key processes identified and controlled?
- ► Have internal audits and management reviews been conducted?
- ▶ Are results from these satisfactory?



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FINAL PREPARATION

- Consider a pre-assessment
 - **√** internal

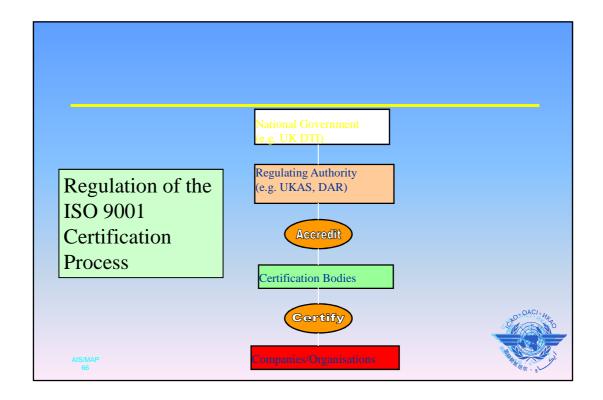
 - **your assessment body**
- ▶ Inform all of your staff

 - **U** clarify their responsibilities
 - √ seek their feedback regarding any concerns



The Certification Process





THE CERTIFICATION PROCESS

STAGE 1: Documentation Review

STAGE 2: Initial assessment of the Quality System in action

STAGE 3: Continuing assessment by periodic surveillance

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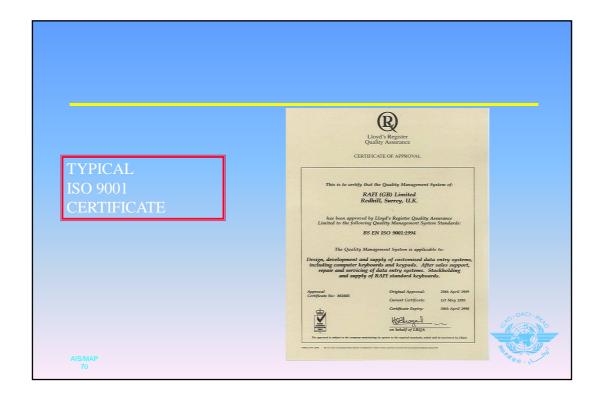
STAGE 1

- Company agrees contract with one Certification Body
- Company submits QMS documentation to the Certification Body
- Certification Body reviews the documents against Standard and reports results
- When satisfactory, Certification Body produces plan/schedule for assessment



STAGE 2

- Certification Body carry out assessment
- Examine all major processes
- Interview a cross-section of personnel
- The audit is a <u>sampling</u> process
- Result is reported at closing meeting
- If necessary a follow-up visit is arranged
- When successful, an Approval Certificate is issued



STAGE 3

- Throughout approval period the Certification Body conducts regular surveillance visits
- Typically every 6/12 months
 - ↓ target specific parts of the system
- Many Certification Bodies operate a 3year approval cycle

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SUMMARY



QUALITY MANAGEMENT PRINCIPLES

- Customer focused organization
- Leadership
- Involvement of people
- Process approach
- System approach to management
- Factual approach to decision making
- Mutually beneficial supplier relationships
- Continual improvement

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Key Principles of ISO 9000

1 GET ORGANISED

- define roles, responsibilities, interfaces
- 2 PROVIDE RESOURCES
 - human resources, training, facilities
- **3 DOCUMENT MANAGEMENT SYSTEMS**
 - establish procedures, control documents
- **4 CONTROL PROCESSES**
 - plan processes, control operations
- 5 KEEP RECORDS OF ACTIVITIES
 - evidence of effective operation
- 6 CARRY OUT REGULAR CHECKS
 - inspections, tests, surveys, audits
- 7 IMPROVE THE SYSTEMS
 - pro-active continual improvement process



MAIN ASUMPTION !!!

If the ISO 9001:2008 implementation project is to be successful, then there MUST be support and commitment from Top Management.





DISCUSSION POINTS

Are there any final questions or points for discussion?





END OF COURSE

Thank you for attending this workshop - we hope that it has fully met your needs and expectations.

