



GIG
CYMRU
NHS
WALES

Bwrdd Iechyd Prifysgol
Bae Abertawe
Swansea Bay University
Health Board

Medical Devices Regulations - Implementation and achievement of a certified Quality Management System

(11/11/2021 - Focussing on Quality, Safety, Competency and Training)

Dr. Rebecca Nix, Medical Device Regulation Compliance Lead

Rehabilitation Engineering Unit – Medical Physics and Clinical Engineering Directorate

Swansea Bay University Health Board



Presentation overview

- Context
 - Medical Devices and 'in house' manufacturing
 - Legislation 'at the time'
- Quality Management Systems (QMS) implementation
 - Frameworks and approach to implementation
 - Monitoring progress
 - Challenges
- Next steps
 - Evolving legislation and influencing factors
 - MHRA Consultation on UK Legislation



'In house' Medical Device Manufacturing

- REU are considered to manufacture and modify medical devices under the **EU** Medical Device Regulations (EU 2017/ 745)
 - Design and construct custom-made devices / appliances
 - Engineering solutions and adaptations to wheelchair seating
 - Special cushions and soft solutions for pressure care



'In house' Medical Device Manufacturing

- **MFL are also considered to manufacture medical devices under the EU Medical Device Regulations (EU 2017/ 745)**
 - Design and construct custom-made devices / appliances
 - Facial and body prostheses
 - Fixed and removable intra-oral prosthetics
 - Orthodontics



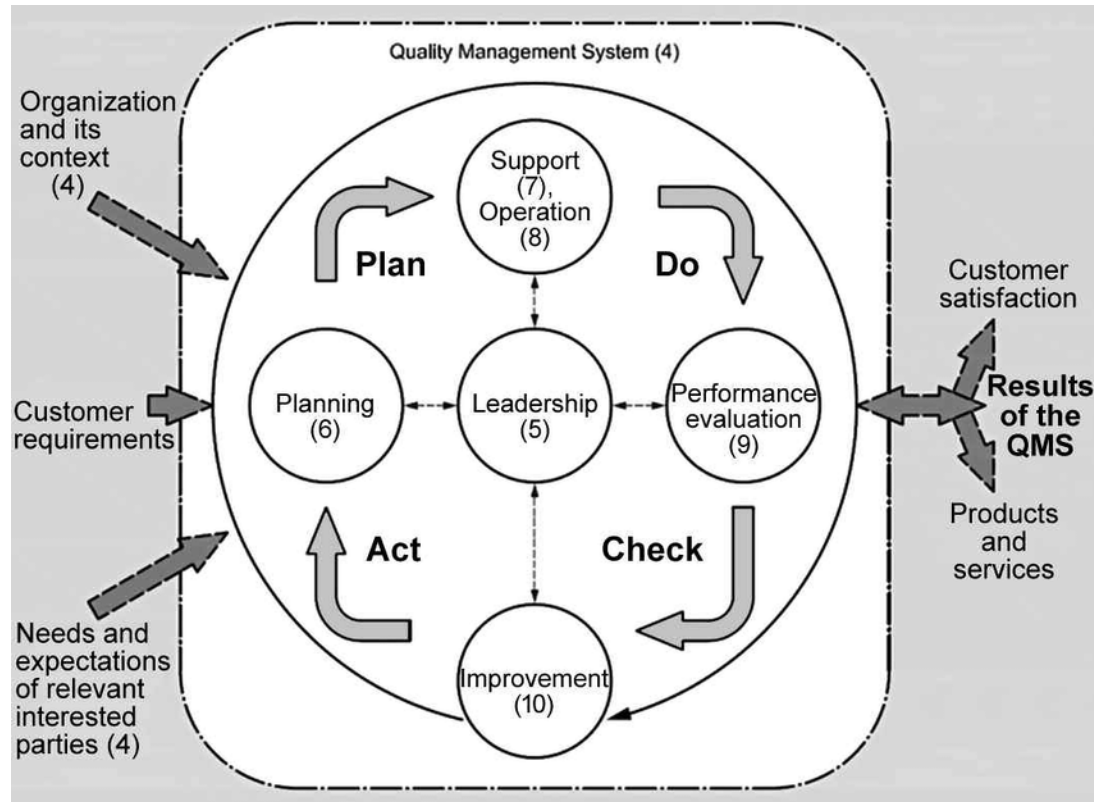
'Medical device manufacturers' are regulated

- Medical device manufacturers are regulated under the UK Medical Device Regulations (UK MDR)
 - Medical Device Directives (MDD)
 - Medical devices used in the same health institution as they are made were exempt
- **Medical device regulation in the UK was, and is changing.**
- New EU legislation, the Medical Device Regulations (MDR, EU 2017/745) – came in to force in May 2017 (May 2021)
 - Placed specific requirements on medical devices used in the same health institution (informally called the health institution exemption)
 - Compliance to the General Safety and Performance Requirements (GSPR)
 - Appropriate Quality Management System

Council Directive 93/42/EEC - 14 June 1993	Regulation (EU) 2017/745 – 5 May 2017
60 pages	175 pages
23 Articles	123 Articles
12 Annexes	17 Annexes



What is a Quality Management System (QMS)?



- Understanding and meeting requirements
 - **(What needs to be done)**
- Considering processes in terms of 'added value'
 - **(Is what we do necessary and worthwhile)**
- Obtaining results of process performance and effectiveness
 - **(How well things work and how efficiently)**
- Improving processes based on objective measurement
 - **(What can we do to improve)**



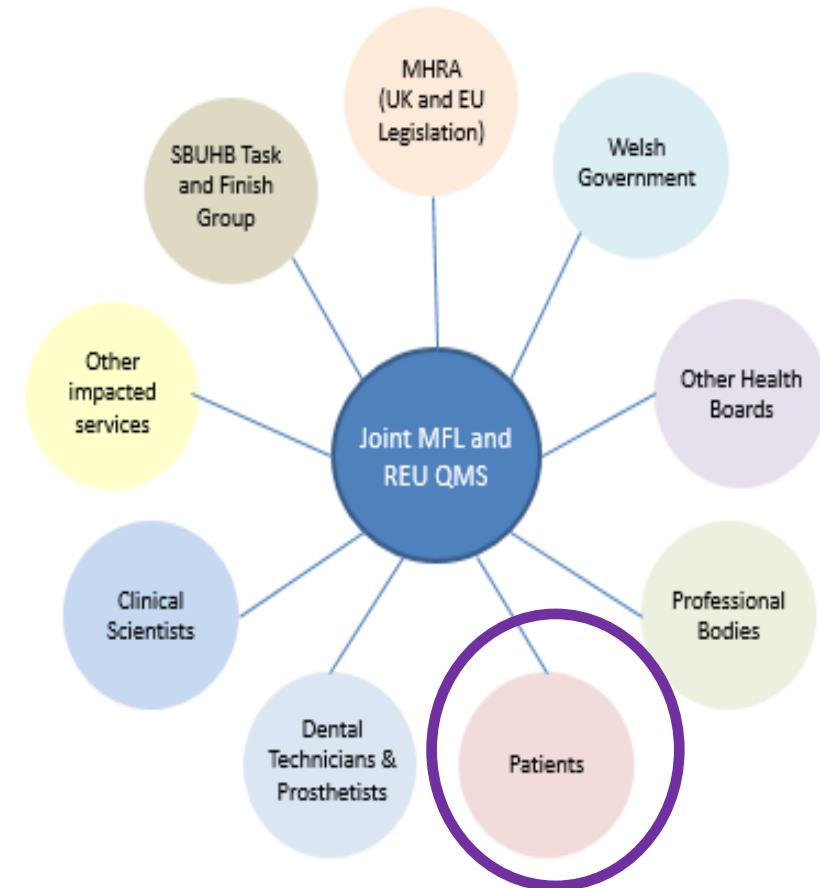
Which QMS framework? How to approach the project?

- The framework depends on:
 - the function of the organisation
 - the service itself, or the products or service that is delivered.
 - Different legislation and / or guidance will apply.
 - ISO 13485 – Quality Management Systems – Requirements for regulatory purposes
 - ISO 9001 – Quality Management Systems. Requirements.

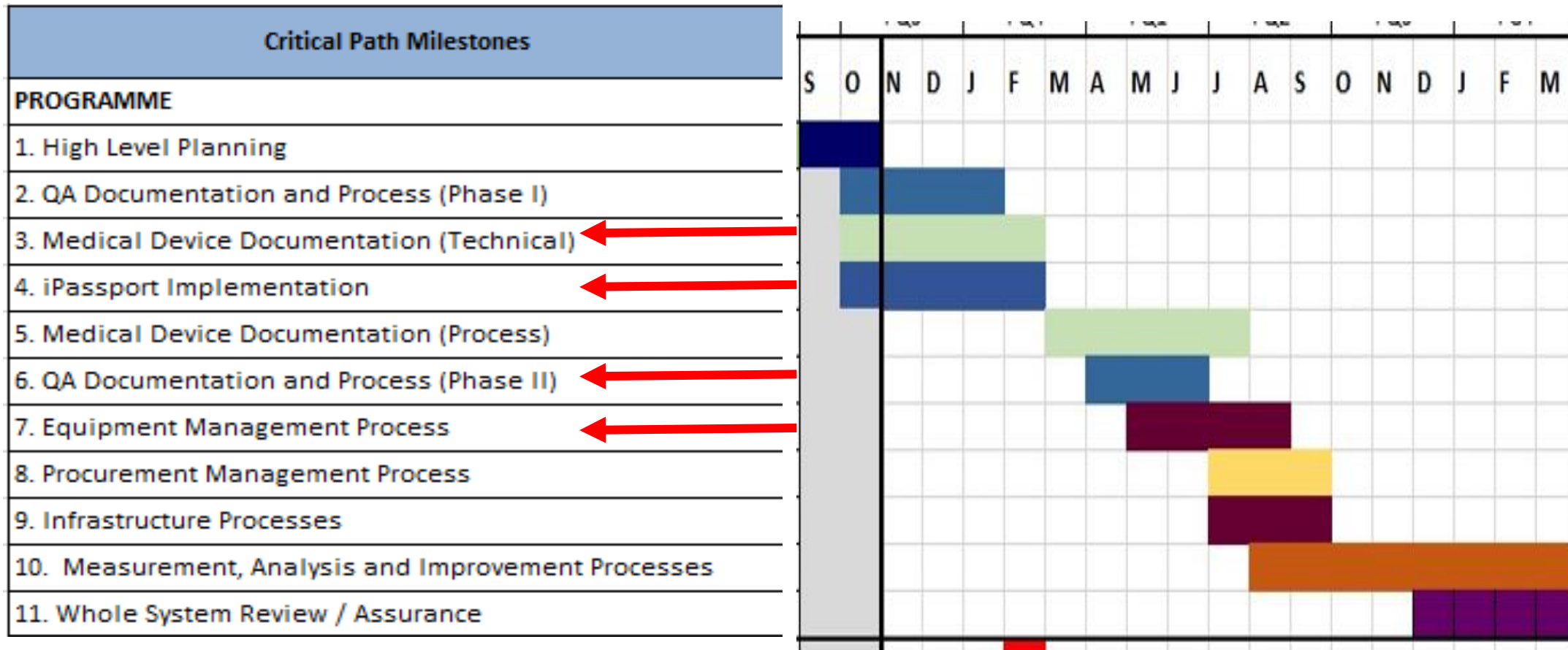


Approach to Implementation

- Identifying biggest areas of 'risk' within each service
 - Technical Information
 - Links to training and competence
- Identifying potential areas to share similar approaches
 - Document control (electronic document management system)
 - Links to evidence that QMS requirements are fulfilled e.g. training and competence
- Developing a plan
 - To be clear on timescales and sequence
 - To evidence that progress was being made
- Throughout - Identifying and managing the stakeholders



Implementation Plan



Defined Medical Device Families

Ref.	Family	Sub-Family	Device(s) - Examples
1	Accessories -Hardware	Arm Supports	Elbow supports Gutters Pads
		Calf Supports	Calf Pads Calf Troughs Leg Rests
		Foot Supports	Foot Board Foot Box Foot Rest
		Foot Sandals	Food Sandals
		Head Support	Head Supports
		Lower Lateral Limb Support	Hip Guides Knee Pads
		Lateral (Trunk)	Lateral (Trunk)
		Pommels	Pommels
2	Accessories - Straps	Trays	Trays
			Ankle Hugger
			Calf Strap
			Chest Harness
			Foot Strap
			Groin Harness
			Postural Belt
			Protective Straps / Restraint
3	Back Support Hardware	Wrist Strap	Wrist Strap
		Backrest Hardware	Backrest Hardware
		Canvas	Canvas
3	Back Support Hardware	Infill (Inserts)	Infill (Inserts)
4	Cushions	Cushions	Cushions (Varying specifications)

- REU - eight Families in total (now nine)
- Family -> Sub-family -> Specific examples

5	DSS	Attachment Methods	ABS Shells Bracketry
		DSS Back	DSS Back
		DSS Base	DSS Base
6	Mounting of Life Support (MOLS)	Ventilator	Manufacturers Bag Bespoke Brackets
		Suction Machine	Laerdel Wall mounting bracket Bespoke brackets Karabiner Hooks.
		Pulse oximeter	Manufacturers Bag Bespoke brackets
		Feed Pump	Manufacturers Bag Bespoke brackets
		Oxygen cylinders	Rehabilitation Engineering Services (RMS) Oxygen cylinder carrier
7	Soft Solutions	Bead Bag	Bead Bag
		Memory Foam Pads	Memory Foam Pad
8	Wheelchair System	Baseboard (Including attachment)	Baseboard (Including attachment)
		Brackets (For special controls)	Brackets (For special controls)
		Mounting interface	Mounting interface
		Special Control	Special Control
		Wheelbase Modification	Wheelbase Modification

Defined Medical Device Families

Ref.	Family	Sub-Family	Device(s) - Examples
1	Accessories -Hardware	Arm Supports	Elbow supports Gutters Pads
		Calf Supports	Calf Pads Calf Troughs Leg Rests
		Foot Supports	Foot Board Foot Box Foot Rest
		Foot Sandals	Food Sandals
		Head Support	Head Supports
		Lower Lateral Limb Support	Hip Guides Knee Pads
		Lateral (Trunk)	Lateral (Trunk)
		Pommels	Pommels
2	Accessories - Straps	Trays	Trays
			Ankle Hugger
			Calf Strap
			Chest Harness
			Foot Strap
			Groin Harness
			Postural Belt
			Protective Straps / Restraint
3	Back Support Hardware	Wrist Strap	Wrist Strap
		Backrest Hardware	Backrest Hardware
		Canvas	Canvas
3	Back Support Hardware	Infill (Inserts)	Infill (Inserts)
4	Cushions	Cushions	Cushions (Varying specifications)

- REU - eight Families in total (now nine)
- Family -> Sub-family -> Specific examples

5	DSS	Attachment Methods	ABS Shells Bracketry
		DSS Back	DSS Back
		DSS Base	DSS Base
6	Mounting of Life Support (MOLS)	Ventilator	Manufacturers Bag Bespoke Brackets
		Suction Machine	Laerdel Wall mounting bracket Bespoke brackets Karabiner Hooks.
		Pulse oximeter	Manufacturers Bag Bespoke brackets
		Feed Pump	Manufacturers Bag Bespoke brackets
		Oxygen cylinders	Rehabilitation Engineering Services (RMS) Oxygen cylinder carrier
7	Soft Solutions	Bead Bag	Bead Bag
		Memory Foam Pads	Memory Foam Pad
8	Wheelchair System	Baseboard (Including attachment)	Baseboard (Including attachment)
		Brackets (For special controls)	Brackets (For special controls)
		Mounting interface	Mounting interface
		Special Control	Special Control
		Wheelbase Modification	Wheelbase Modification



Example technical file

- Descriptor – Mounting of Life Support (MOLS)
- Risk Classification
 - Classification document (IPEM)
- General Safety and performance Requirements
- Risk Management Plan
 - Production
 - Storage . Transformation
 - Useage
 - Post market surveillance
- Patient Notes (Clinical Detail)
- Service Records (Design and Manufacture Detail)

Medical Device:
MOunting of Life Support (MOLS)
Family



Internal Ref	Requirement	Existing evidence and / or cross-reference to evidence and location
Device Description and Specification, including Variants and Accessories		
1	Medical Device Name	Mounting of Life Support (MOLS) (Equipment)
2	General Description	Hardware to mount life support medical equipment to wheelchair, according to specific patients needs (e.g. ventilator, suction)
3	Product Code / No. or Reference	Mounting of Life Support (MOLS) (Equipment)
4	Patient population and medical condition to be treated	Wheelchair users who require regular use and medical intervention from life support equipment (e.g. ventilator, suction, oxygen, O2 monitor).
5	Principles of operation and mode of actions	Manufacture and fitting of custom made brackets / mounts for the securing of medical devices to the patient's wheelchair.

Medical Device Family: Accessories Hardware Device Family
Service: Rehabilitation Engineering Unit



Template: RRU and MR, Joint QMS & Version 1.2

Ref.	Mode of Operation / Action / Risk Identified	Known or foreseeable Hazard / Hazardous Situation	Risk Calculator*			Risk Justification	Action Taken to Reduce Risk to an Acceptable Level (Risk Control)	Risk Calculator* With Actions Implemented		
			PLR	PSR	RRN			PLR	PSR	RRN
PRODUCTION STAGE [Design and manufacturing]										
1	There is a risk the device will not be manufactured in accordance with the prescriber's requirements.	1) Device dimensions unsuitable for patient's need, impact on posture, function, comfort, pressure care. 2) Information not disclosed by patient / care team.	4	2	8	Clinical need, requirement for prescribed device (including bespoke devices).	1) Good clinical practice e.g. encouraging MDT approach and appropriate clinical measures e.g. use of measuring equipment when prescribing equipment. 2) The use of the 'Drawing Process' and Workshop to do 'Anables specifications to be recorded, reviewed and authorised providing verification check-points. 3) Iterative design (Verification). 4) Review periods (Validation). 5) Trained and Competent Staff.	2	2	4
2	There is a risk that component materials will be a flammable source.	Posses fire hazard, may ignite if lit match and / or cigarette inadvertently dropped, causing minor or major injuries, death.	2	5	10	1) Function can can only be achieved by utilising the specified material(s). 2) All materials are commonly used within the industry.	1) Fire tests for material combinations in place. 2) Cushions made of fire retardant material. 3) Labelling of cushions in line with Fire regulations, reminding that 'Carelessness causes fire'.	1	5	5
There is a risk that the device will:										



Document Control



Document Type		Technical Information
Index Number		REU - General 48
Version Number		1.0
Title		MD File - MOLS Family
Author		Benjamin Lee
Authorised By		Benjamin Lee
Authorised On		18-Sep-2020

Document Type		Technical Information
Index Number		REU - General 48
Version Number		1.0
Title		MD File - MOLS Family





Medical Device:
**MOunting of Life Support (MOLS)
Family**



Internal Ref	Requirement	Existing evidence and / or cross-reference to evidence and location
Device Description and Specification, Including Variants and Accessories		
1	Medical Device Name	Mounting of Life Support (MOLS) (Equipment)
2	General Description	Hardware to mount life support medical equipment to wheelchair, according to specific patients needs (e.g. ventilator, suction)
3	Product Code / No. or Reference	Mounting of Life Support (MOLS) (Equipment)
4	Patient population and medical condition to be treated	Wheelchair users who require regular use and medical intervention from life support equipment (e.g. ventilator suction, oxygen, O2 monitor).
5	Principles of operation and mode of actions	Manufacture and fitting of custom made brackets / mounts for the securing of medical devices to the patient's wheelchair.
6	Rationale for qualification as a device	The device meets the definition of a Medical Device as defined within Article 2.1 of the MDR (EU) 2017/745
7	Risk Class	Class I
8	Justification for application of HIE for each device / family	The target patient group's specific needs cannot be met, or cannot be met at the appropriate level of performance by an equivalent device available on the market. Each device is prescribed, and custom-made, for an individual patient.
9	Evidence to support justification of HIE	Device features and performance designed for specific patient needs e.g. asymmetrical postures. Service requirements for lead times and control of compatibility of systems are additional factors.
10	Explanation of any novel features	N/A Requirements for novel features (by the clinician) could arise on a patient-by-patient basis, e.g. dimensions and component material.
11	Description of accessories / other devices or products to be used in combination	Wheelchair Seating System Attachment method

Mounting of Life Support (MOLS) (Equipment)

Hardware to mount life support medical equipment to wheelchair, according to specific patients needs (e.g. ventilator, suction)

Mounting of Life Support (MOLS) (Equipment)

Wheelchair users who require regular use and medical intervention from life support equipment (e.g. ventilator, suction, oxygen, O2 monitor).

Manufacture and fitting of custom made brackets / mounts for the securing of medical devices to the patient's wheelchair.



Rehabilitation Engineering Unit (REU) and Maxillofacial Laboratory (MFL) Quality Management System

Stakeholders, including:
 * Medical Device Regulations / UK Legislation, MHRA, Health Board Strategy and Policy, Professional Bodies, Patients

Quality Manual (QMS Scope, Policy, Objectives) JOINT QMS 11

Training and Competence
SOP JOINT QMS 111

Nonconformity, Preventive and Corrective Action
SOP JOINT QMS 24

Infrastructure and Equipment Management
SOP JOINT QMS 26

Document Control
SOP JOINT QMS 13

Purchasing and Suppliers
SOP JOINT QMS 30

Communication and Feedback (Product and Process)
SOP JOINT 27

Internal Audit
SOP JOINT QMS 28

Software
JOINT QMS 31

*Records of conformity

*Medical Device (MD) Family Technical Files

- MD Family File (Description)
- MD Family Risk Classification (MDR Annex VIII)
- MD Family GSPR (MDR Annex II)
- MD Family Risk Management Plan

Management Review
SOP JOINT QMS 16

REU:
 Service-specific policies, procedures etc., including:
Infection Control
 REU – General 113
Drawing Process
 REU – General 114
Workshop Processes

MFL:
 Service-specific policies, procedures etc., including:
Infection Control
 MFL - General 113
General Procedures
Manufacturing Procedures / Techniques

High Level (Shared) Processes / Documents

Service-specific Processes / Documents

High Level (Shared) Processes / Documents

Rehabilitation Engineering Unit (REU) and Maxillofacial Laboratory (MFL) Quality Management System

Stakeholders, including:
 * Medical Device Regulations / UK Legislation, MHRA, Health Board Strategy and Policy, Professional Bodies, Patients

Quality Manual
 (QMS Scope, Policy, Objectives)
 JOINT QMS 11

Training and Competence
 SOP JOINT QMS 111

Nonconformity, Preventive and Corrective Action
 SOP JOINT QMS 24

Infrastructure and Equipment Management
 SOP JOINT QMS 26

Document Control
 SOP JOINT QMS 13
Control of Records
 SOP JOINT QMS 15

Purchasing and Suppliers
 SOP JOINT QMS 30

Communication and Feedback (Product and Process)
 SOP JOINT 27

Internal Audit
 SOP JOINT QMS 28

Software
 JOINT QMS 31

*Records of conformity

*Medical Device (MD) Family Technical Files

- MD Family File (Description)
- MD Family Risk Classification (MDR Annex VIII)
- MD Family GSPR (MDR Annex II)
- MD Family Risk Management Plan

REU:
 Service-specific policies, procedures etc, including:
Infection Control
 REU – General 113
Drawing Process
 REU – General 114
Workshop Processes

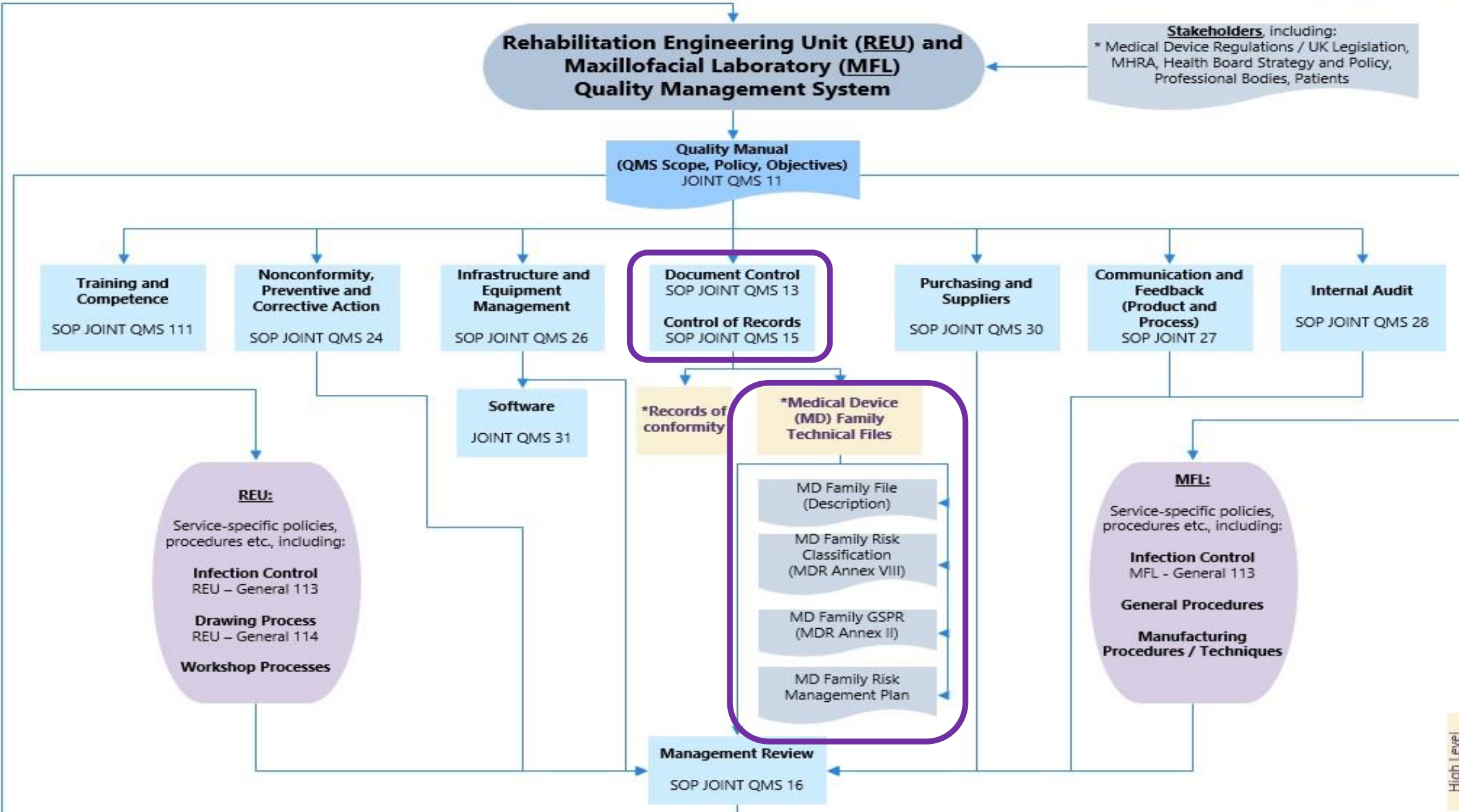
MFL:
 Service-specific policies, procedures etc, including:
Infection Control
 MFL - General 113
General Procedures
Manufacturing Procedures / Techniques

Management Review
 SOP JOINT QMS 16

High Level (Shared) Processes / Documents

Service-specific Processes / Documents

High Level (Shared) Processes / Documents



Rehabilitation Engineering Unit (REU) and Maxillofacial Laboratory (MFL) Quality Management System

Stakeholders, including:
 * Medical Device Regulations / UK Legislation, MHRA, Health Board Strategy and Policy, Professional Bodies, Patients

Quality Manual
 (QMS Scope, Policy, Objectives)
 JOINT QMS 11

Training and Competence
 SOP JOINT QMS 111

Nonconformity, Preventive and Corrective Action
 SOP JOINT QMS 24

Infrastructure and Equipment Management
 SOP JOINT QMS 26

Document Control
 SOP JOINT QMS 13
Control of Records
 SOP JOINT QMS 15

Purchasing and Suppliers
 SOP JOINT QMS 30

Communication and Feedback (Product and Process)
 SOP JOINT 27

Internal Audit
 SOP JOINT QMS 28

Software
 JOINT QMS 31

*Records of conformity

*Medical Device (MD) Family Technical Files

- MD Family File (Description)
- MD Family Risk Classification (MDR Annex VIII)
- MD Family GSPR (MDR Annex II)
- MD Family Risk Management Plan

REU:
 Service-specific policies, procedures etc, including:
Infection Control
 REU – General 113
Drawing Process
 REU – General 114
Workshop Processes

MFL:
 Service-specific policies, procedures etc, including:
Infection Control
 MFL - General 113
General Procedures
Manufacturing Procedures / Techniques

Management Review
 SOP JOINT QMS 16

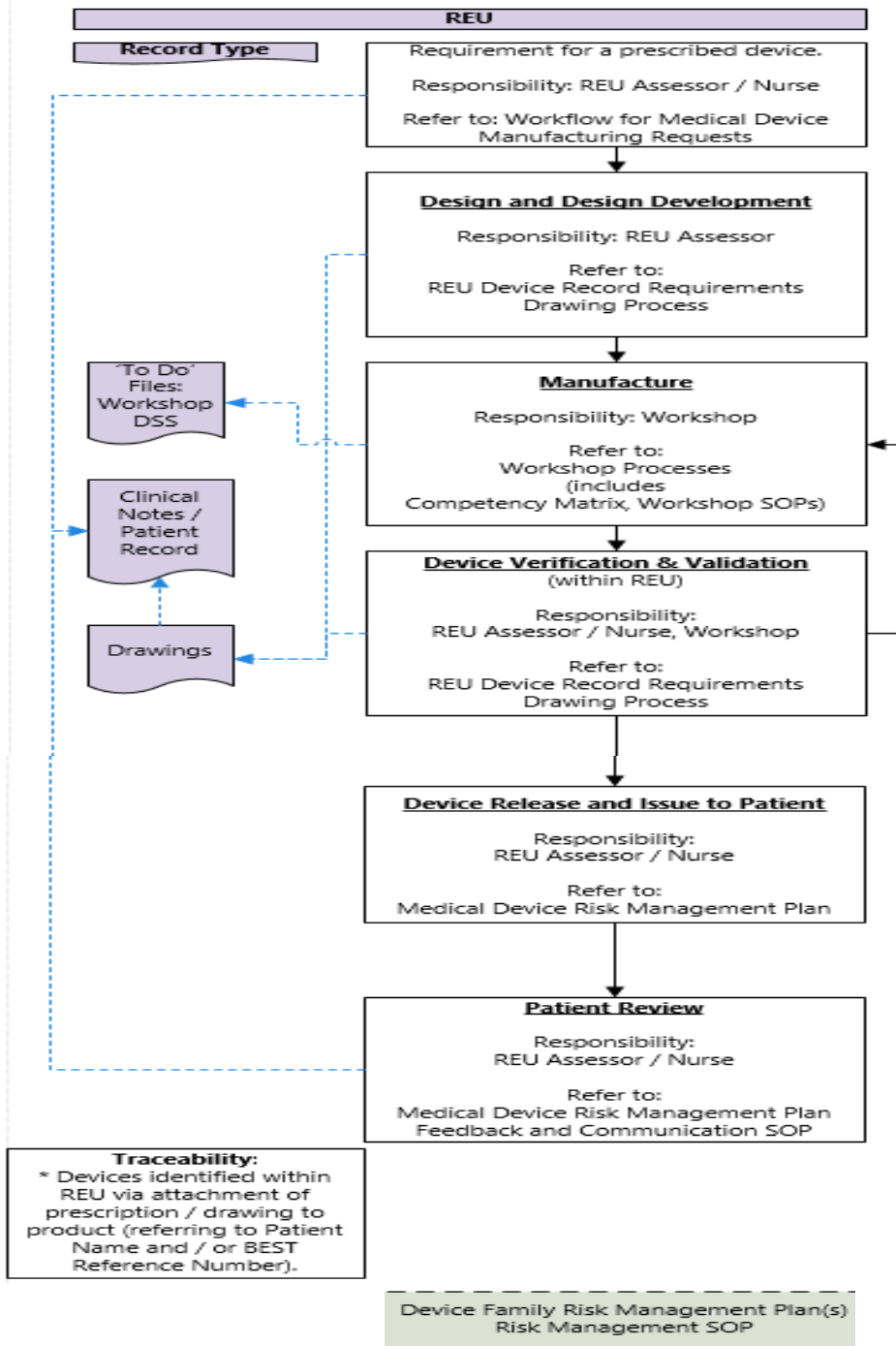
Risk Management (Product and Process) - JOINT QMS 14

High Level (Shared) Processes / Documents

Service-specific Processes / Documents

High Level (Shared) Processes / Documents

Medical Device Manufacturing



- Steps in Process

- Requirement for a prescribed device
- Design and Design Development
- **Manufacture**
- Device Verification and Validation (within REU)
- **Device Release and issue to Patient**
- Patient Review
- Signposting to where evidence of these processes is stored.



Training and Competence

- *Ensuring staff have the skills, experience and competencies to undertake their roles and responsibilities, ensures that service provision (**including the manufacturing of medical devices**) is in line with the quality policy and objectives outlined in the Quality Manual.*
- **Staff safety, patient safety**



Training and Competence - Staff

Training:

- New starter induction in line with Health Board Policy
- Mandatory training associated with individual roles managed through Electronic Staff Record (*ESR*)
- Local inductions to services / procedures
- QMS policies via iPassport – recording acknowledgement
- Evaluation of training through management / appraisal

Competence:

- Maintaining professional body registration (where required)
- Continual professional development (*CPD*) evidence
- Competence evidence for specialist workshop equipment (where required)






Workshop Machinery

Documentation

- Each piece of machinery has its own 'controlled' documentation

 GIG CYMRU NHS WALES Bwrdd Iechyd Prifysgol Bae Abertawe Swansea Bay University Health Board	REU WORKSHOP MACHINERY DOCUMENT
	BANDSAW
	Controlled template: REU and MFL Joint QMS 109 Ver 1.3

1. Purpose

1.1. The purpose of this document is to provide information around the use of the Bandsaw and the competencies that have to be met for staff of the Rehabilitation Engineering Unit (REU) department to use the equipment.

[back](#) ♥ REU - General 155: Bandsaw - Workshop Machinery Document (version 1.0)
 This is an Authorised/Controlled Document due for review on 02-Nov-2021

General | Reviews | History | Notes(0) | Tasks(24) | Attach(0) | Skilled(13) | Links(0) | Log

Review In Progress

Change Requests

- Jonathan Howard
- Jason Williams
- Jason Williams
- Jason Williams

Review Round 1

Benjamin Lee

Jacob Redwood-Thomas

Jason Williams

Proceed to next step when everyone has completed their tasks

Changes Requested

Create New Version

Create a new version of the document to address the approved changes

Request Change

PDF Preview

Controlled Print

Review Settings

Publishing Settings

Change Request submitted by Jason Williams Changes requested for 4.1 and 7.1	Approve	Approve For Future	Reject
Change Request submitted by Jason Williams 4.1 Change to include check- Before operating the machine, familiarise yourself with where the emergency stops are situated and that they are functioning correctly.	Approve	Approve For Future	Reject





Workshop Machinery

Training:

- Provided by a competent trainer on the content of the document

Competence:

- Assessed e.g. with 'test pieces' during training activity
- Refresher assessment (6 monthly)

Evidence:

- Via iPassport 'Read and acknowledge'

REU Workshop Machinery Training Record		
Equipment	Jason Williams	Lorna Tasker
Bandsaw		
CNC Foam Carve	23/03/2021	
Chop Saw		
Jig Saw		
Lathe		
Milling Machine		
Linisher		
Hot Wire Strip Heater		
Off Hand Grinder		
Pedestal Drill		
Powered Hand Tools		
Router		
Spray Booth		
TIG Welder		
Sewing Machine^		
3D Printer		
Key:		
Not machine competent		
Essential competencies		
Advanced competencies		
Refresher Training Required	DATE	
Competencies in development	^	
Awaiting Training/Sign Off	*	



Workshop Machinery

Evidence:

- Via iPassport ‘task’
- ‘Read and acknowledge’
- Fully auditable, electronic approach

[back](#) Actions: [Go](#)

♥ REU - General 155: Bandsaw - Workshop Machinery Document (version 1.0)
This is an Authorised/Controlled Document due for review on 02-Nov-2021

General | Reviews | History | Notes(0) | Tasks(24) | Attach(0) | **Skilled(13)** | Links(0) | Log

🔍 Adding trained/untrained staff

Search
Search Skills

Status: Completed Start Date: Completed End Date: From Skilled Group:

● Skilled ● Unskilled

Staff Members qualified 🔗 Permission Check 📄 Export List 🖨 Print ➕ Add Trained Staff ➕ Add Untrained Staff

Name	Comment	Status	Due On	Completed Date	Actions
Jason Williams	Not Set	Confirmed	17-Dec-2020	23-Nov-2020 12:11	🔍 🗑️ 🔄
Gillian Ritchie	---	Confirmed	11-Feb-2021	15-Jan-2021 13:15	🔍 🗑️ 🔄
Zoe Bacon	---	Confirmed	05-Mar-2021	03-Feb-2021 16:29	🔍 🗑️ 🔄
Pearl Read	---	Confirmed	17-Apr-2021	25-Mar-2021 12:32	🔍 🗑️ 🔄
Jonathan Howard	---	Confirmed	30-Apr-2021	01-Apr-2021 08:18	🔍 🗑️ 🔄
Benjamin Lee	Not Set	Confirmed	03-Sep-2021	25-Aug-2021 10:33	🔍 🗑️ 🔄
Jacob Redwood-Thomas	Not Set	Confirmed	05-Sep-2021	06-Aug-2021 10:43	🔍 🗑️ 🔄
Kelly Jones	Not Set	Confirmed	25-Sep-2021	27-Aug-2021 07:46	🔍 🗑️ 🔄
Mark Bowtell	Not Set	Confirmed	10-Oct-2021	29-Sep-2021 12:43	🔍 🗑️ 🔄

‘Training’ for patients and / or carers

- REU devices are ‘custom made’ (for individual, named patients)
- Consistency of information

Pressure Ulcer Prevention and Intervention Service
Rehabilitation Engineering Unit
Specialist Rehabilitation Centre
Morriston Hospital
Swansea, SA6 6NL

Phone/Ffon: 01792 703609
Email/Ebost: SBU.PUPIS@wales.nhs.uk

RE: Provision of custom equipment

Patient name: Date: PUPIS Clinician:

Equipment:.....



Please use your device(s) as informed by the Clinician (Prescriber) to reduce the risk of pressure ulcer deterioration. **The device(s) should only be used for the above named person.**

With new equipment, **please check your skin regularly**, both where the original pressure area is, and any areas contacting the device. **Should any reddening / other issues occur please remove the provided equipment and seek support immediately -**

- o **Local nurse team (e.g. district nurses) for wound-related problem**
- o **Posture and Mobility (Wheelchair) Service on 01443 661799 for wheelchair equipment**
- o **PUPIS on 01792 703609 for bespoke devices**

Please seek advice if you are unsure of how to set-up/ use your device, or, if the device is not working as intended.

- When used correctly, the provided device(s) should provide pressure relief, comfort and promote healing of pressure related issues to optimise health outcomes.
- Check the direction and location the device is placed in is as prescribed.
- If your device is faulty or damaged, please contact the PUPIS team as soon as possible. Damage can prevent the device working as intended.
- Avoid placing other covers or items on top of your device(s), as they will reduce its effectiveness.
- The device should be used in a clean and safe environment that prevents contact with materials, equipment, or animals that could cause damage. Removable covers are machine washable at 40°C and should be kept clean.



GIG
CYMRU
NHS
WALES

Bwrdd Iechyd Prifysgol
Bae Abertawe
Swansea Bay University
Health Board

Assurance of Progress, Opportunities for Knowledge Exchange

- Active collaboration and knowledge exchange – Internal and external to SBUHB
 - Welsh Government-Led MDR Forum (now chaired via HEIW)
 - NHS Wales Medical Devices Consultant
 - RESMAG
 - Improvement Cymru
 - Other Health Boards (within Wales and England)
 - Within SBUHB (other Services, Q&S Forums, Medical Device Regulation Task and Finish Group)



Assurance of Progress, Opportunities for Knowledge Exchange

- Active collaboration and knowledge exchange – Internal and external to SBUHB
 - Welsh Government-Led MDR Forum
 - NHS Wales Medical Devices Consultant
 - RESMAG
 - Improvement Cymru
 - Other Health Boards (within Wales and England)
 - Within SBUHB (other Services, Q&S Forums, Medical Device Regulation Task and Finish Group)
- **Newly created Medical Device Regulation Compliance Lead role (housed within MPCE)**





GIG
CYMRU
NHS
WALES

Bwrdd Iechyd Prifysgol
Bae Abertawe
Swansea Bay University
Health Board

External certification

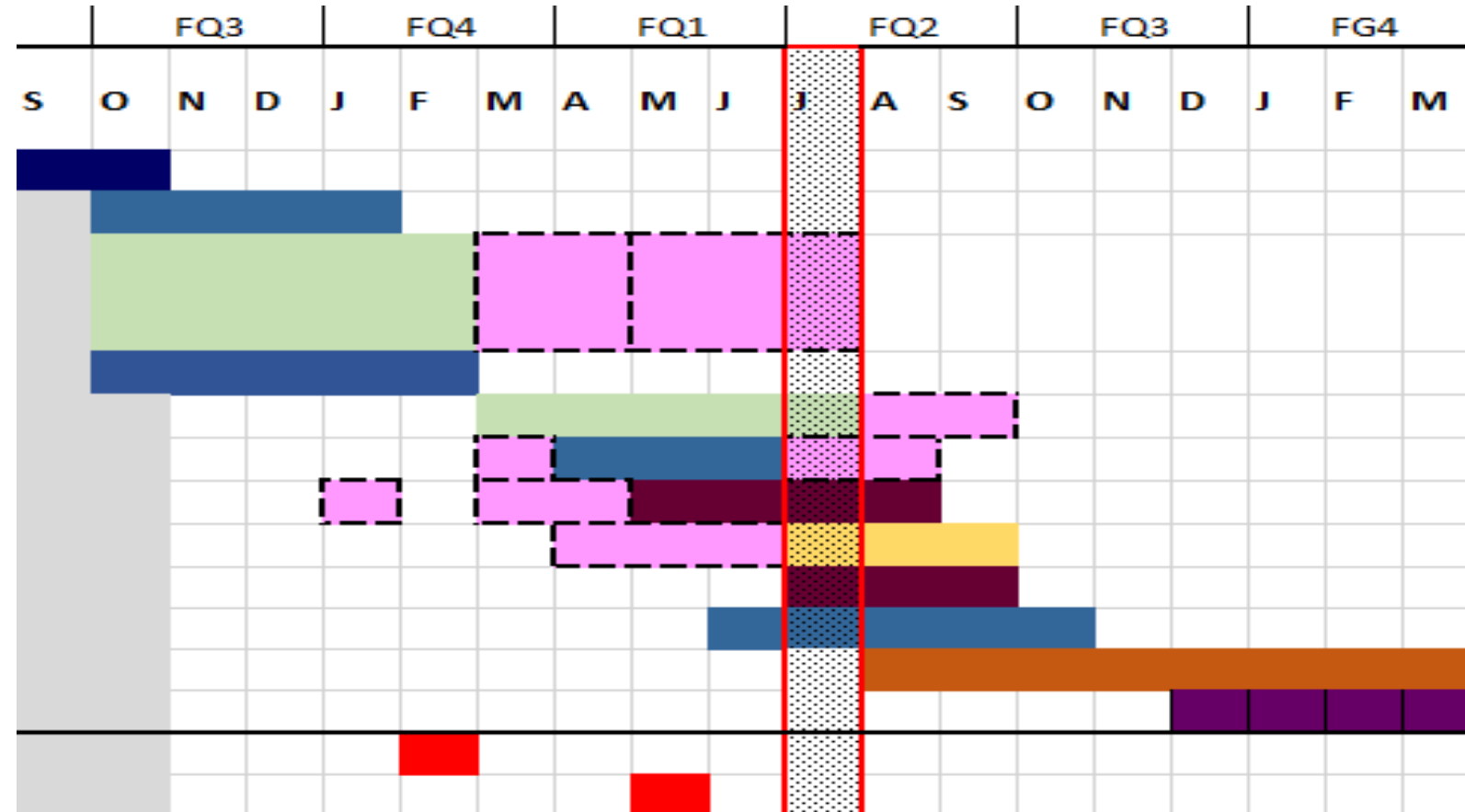
- Identification of an appropriate external body to undertake an assessment
- Utilised United Registrar Systems (URS) UK-based Certification Body
- Feb 2021 – Stage 1 Assessment – 1 Day
- April 2021 – Stage 2 Assessment – 5 days
- Successful certification of the QMS to ISO 13485
- 2022 and 2023 – Surveillance Assessment - 3 Days
- 2024 – Reassessment – 5 Days





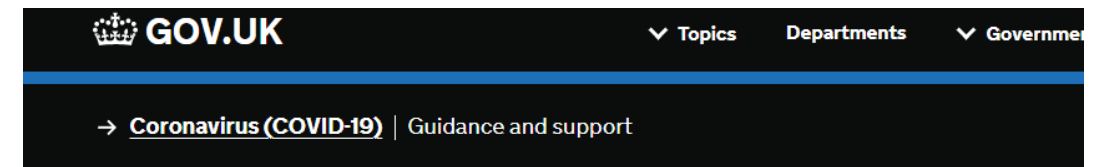
Progress – Not always to plan!

Ref.	Stage
1	High Level Planning
2	QA Documentation and Process (Phase I)
3	Technical Documentation (Medical Device)
4	iPassport (QMS documentation only)
5	Process Documentation (Medical Device)
6	QA Documentation and Process (Phase II)
7	Equipment Management Process
8	Procurement Process
9	Infrastructure Process
13	QA Documentation and Process (Phase III)
10	Measurement & Analysis Processes
11	Whole System Review / Assurance
12.1	Notified Body Checkpoint I
12.2	Notified Body Checkpoint II



Next Steps

- For REU and MFL:
 - Continual improvement and development of the joint QMS
- For Swansea Bay
 - Health Board wide resource – Medical Device Regulation Compliance Lead to support wider services and beyond
- For the UK
 - Medical device legislation is evolving....
 - Consultation open until 25th November



[Home](#) > [Medical devices regulation and safety](#)

Open consultation

Consultation on the future regulation of medical devices in the United Kingdom

From: [Medicines and Healthcare products Regulatory Agency](#) and [The Rt Hon Sajid Javid MP](#)

Published 16 September 2021



Acknowledgements

Justin McCarthy

REU (SBUHB)

Dr. Lorna Tasker

Pearl Read

Dr. Mark Bowtell

MFL (SBUHB)

Peter Llewelyn Evans

