

CLEANING OPERATIONAL CLEANING PLAN

Author: William Britton, Head of Facilities Support Services

In consultation with: Linda Towey, Consultant Nurse, Infection Prevention & Control

Status: Approval date: August 2010

Ratified by: Non Clinical Risk Committee

Review date: April 2021

Patients first • Personal responsibility • Passion for excellence • Pride in our team

Volume 12 Facilities & Estates	Current version is held on the Intranet	First Ratified July 2010	Next Review April 2021	Issue 4	Page 1 of 19
--------------------------------------	--	-----------------------------	---------------------------	---------	--------------

History

Issue	Date Issued	Brief Summary of Change	Approved by
1		New policy	Non Clinical Risk Committee
2	Aug 2010	Updated in line with revised national guidance	Valerie Howell Linda Fairhead
3	Nov 2012	Title changes	Health & Safety Committee
4	Sep 2015	Minor changes	Prodine Kubalalika

For more information on the status of this document, please contact:	William Britton, Head of Facilities Support Services
Date of issue	November 2019
Review due	April 2021
Ratified by	Non Clinical Risk Committee
Audience	All staff

Contents

1.	Introduction	3
2.	Broad principles used to develop the cleaning plan	3
3.	Objectives of the cleaning plan	3
4.	Goals	4
5.	Infection Prevention and Control	4
6	Patient Led Assessment of the Care Environment (PLACE)	5
7.	Estates and Facilities Environmental meetings	5
8.	National standards of cleanliness for the NHS: the process	5
9.	National standards of cleanliness principles and objectives	6
10.	National standards of cleanliness eight key objectives	7
11.	Matrons charter	9
12.	Revised contract for cleaning/national specifications for cleanliness	10
13.	Identifying risk	10
14.	Elements	11
15.	Operational statements	11
16.	Audit	11
17.	External audit results	12
18.	The audit process flow chart	13
19.	SWOT analysis	14
20.	Operational cleaning manual	14
21.	Conclusion	14
22.	Other associated documents	15

Cleaning Operation Plan

1. Introduction

The cleanliness of any hospital environment is important for infection prevention and control and patient well being. Cleaning staff play an important role in quality improvement, in the confidence the public has in hospitals, and in reducing infection related risks.

The purpose of developing a plan for cleaning is to provide focus for this important initiative and this was first issued in 2003.

It was necessary to develop a plan to reflect the publication of the Matrons charter and the revised Healthcare cleaning manual, published in 2009. The *Revised Healthcare Cleaning Manual* has a complementary relationship with other cleaning-related publications: *The National Specifications for Cleanliness in the NHS*, published by the National Patient Safety Agency (NPSA), and *Revised Guidance on Contracting for Cleaning*, published by Department of Health (DH).

The revised *National specifications for cleanliness* recognises that, whilst many improvements in the standards of cleanliness have been made over recent years within in the NHS, there is still much work to be done. All too often, cleaning contracts (in-house or out-sourced) are driven by price, with insufficient focus and weighting being placed on quality. This new document clearly sets out the minimum cleaning frequencies in order for hospitals to achieve the national specifications.

2. The broad principles that have been used to develop the cleaning plan are:

- The understanding of the performance issues of the housekeeping services department.
- The development of specific objectives to enable housekeeping services to meet the national standards for cleanliness in the NHS.
- The development of a performance management framework to ensure implementation.
- The development of a monitoring process by which the trust can monitor progress.

3. Objectives of the cleaning plan

- To ensure that Housekeeping Services can over a period of time meet and maintain the requirements of *National standards for cleanliness in the NHS*.
- To respond to the challenges set by a more informed and involved public, with high expectations of cleanliness in hospitals.

Volume 12 Facilities & Estates	Current version is held on the Intranet	First Ratified July 2010	Next Review April 2021	Issue 4	Page 2 of 19
--------------------------------------	--	-----------------------------	---------------------------	---------	--------------

- To assist the trust in creating the right environment for patients through cultural change by providing a new focus for staff through effective leadership.
- To ensure that housekeeping services secures and retains the manpower required to meet the demands of the future.

4. Goals

- To be recognised throughout the trust for providing a quality customer focused service.
- To enhance the reputation of the trust, both locally and nationally.
- To maintain and develop a well trained, flexible and motivated workforce capable of delivering excellent services.

5. Infection Prevention and Control

Attention to cleanliness plays an important part in creating a culture that allows everyone, in a healthcare facility to focus on infection control.

Maintaining high standards of hygiene is key in preventing the spread of infection including Carbapenemase-producing Enterobacteriaceae (CPE), Clostridium difficile spores and to a lesser extent Methicillin Resistant Staphylococcus aureus (MRSA). These organisms survive well in the environment meaning that enhanced environmental cleaning and decontamination are vital components in reducing rates of infection and the spread of them.

Cleanliness is also essential for the comfort and dignity of the patient. Patients and the public rate a clean hospital, as one of the top five they wish to see in today's NHS. (*DOH 2008 Clean, Safe, Care*)

Therefore, the dialogue between the Infection Control Team and the Head of Facilities Support Services is paramount in maintaining a clean, safe environment. This link is undertaken by:

- Head of Facilities, Infrastructure, and Head of Facilities Support Services both being members of the Control of Infection Committee.
- The Infection Control Nurses attend monthly Clinical Nurse Leaders Cleanliness Meeting.
- Infection Control Environmental audits are feedback to Housekeeping.
- Daily communication with Housekeeping for Wards requiring enhanced cleaning.
- Active participation in Deep Clean Programme.
- Attendance at ad hoc meetings as required to discuss Housekeeping and Facilities issues.

Volume 12 Facilities & Estates	Current version is held on the Intranet	First Ratified July 2010	Next Review April 2021	Issue 4	Page 3 of 19
--------------------------------------	--	-----------------------------	---------------------------	---------	--------------

- Infection Control Nurses link with Housekeeping regarding outbreak management.
- Infection control advice regarding cleaning products and cleaning regimes.

6. Patient Led Assessment of the Care Environment: (PLACE)

This group conducts annual inspections of the patient environment and in particular audits cleanliness as part of the inspection process.

7. Estates and Facilities Environmental meetings

MEMBERSHIP:

- Chief Nurse or representative
- Head of Facilities Support Services
- Housekeeping Manager
- Estates Manager
- Catering Manager
- Infection Control representative
- Clinical Nurse Leaders
- Dietician

Duties

- For the providers of the patient environmental services to consult, involve and give updates to the group on their services to include, but not exhaustive, service improvements, activities, service developments, service redesign, tendering and contract changes, non-compliance and remedial actions plans, service changes.
- Plan for all aspects of the maintenance of a pleasant patient environment, incorporating patient views and involvement whenever possible
- To gather evidence in line with Essential Standards
- To maintain an overview of the impact of clinical lead nurses and patients through a variety of forms of feedback (PALS, complaints commendations, patients surveys)
- Report to the patient experience group at PEMG committee quarterly on its activity

Key Responsibilities

- To develop support service modernisation and continual improvement of the patients' environment
- To participate in ensuring the National Standards of Cleanliness for the Trust are met

Volume 12 Facilities & Estates	Current version is held on the Intranet	First Ratified July 2010	Next Review April 2021	Issue 4	Page 4 of 19
--------------------------------------	--	-----------------------------	---------------------------	---------	--------------

- To help develop support service policies
- To monitor and evaluate patients catering standards
- To monitor and evaluate Linen, Portering, Security, Waste, Transport and Estates services
- To prioritise the actions required and make prioritised recommendations for funding from the PLACE allocated capital funding

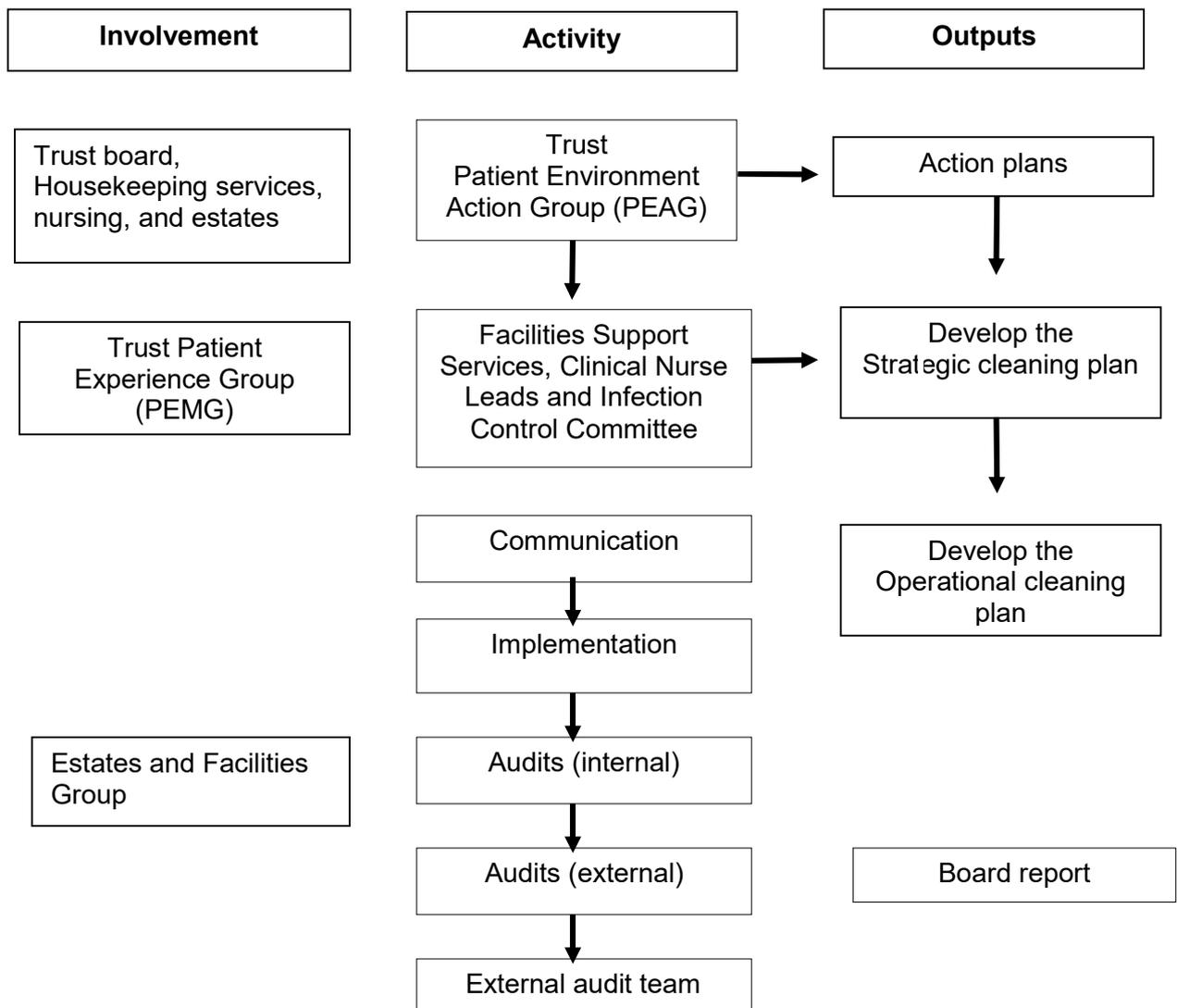
Reporting Lines

This group will report to the PEMG Committee.

Monitoring

The Chair is to provide quarterly report for the PEMG group Committee.

8. National standards of cleanliness for the NHS: the process



9. National standards of cleanliness principles and objectives

The outcome-based cleanliness standards have been developed using current best practice within the NHS. The outcome based standards offer:

- Patient and customer focus;
- Clarity for housekeeping staff and service providers
- An effective aid to management
- Consistency with infection control standards and requirements.
- Clear outcome statements, which can be used as benchmarks and output indicators.

Patient and customer focus

Everyone, who enters a hospital, whether as a patient, visitor or member of staff, is a customer of the cleaning service. The standards have to focus clearly on their expectations.

Patients are asked to give their views on hospital cleanliness, and are asked directly about their satisfaction with the patient environment via local patient satisfaction surveys. These results form part of a performance measure in the performance assessment framework.

Clarity for housekeeping services staff

The clarity of cleanliness standards is of paramount importance. It is essential that the Housekeeping staff have a clear understanding of the Standards and task requirements to ensure they are working towards and assessing the same cleanliness outcomes. The standards are to be realistic and achievable and the housekeeping staff must be able to carry out their jobs safely and in a controlled environment.

10. National standards of cleanliness: eight key objectives

The national standards of cleanliness now have eight key objectives, (previously five), covering the following areas:

Taking cleanliness seriously

To ensure that high standards of comfort and cleanliness are the norm across the whole country, by:

- ◆ Setting clear local standards and policies, and keeping cleanliness high on the agenda.
- ◆ Identifying a board member to take personal responsibility for monitoring hospital cleanliness.

Director of Strategy and Transformation
The Board nominee for
ASPH NHS Trust

Volume 12 Facilities & Estates	Current version is held on the Intranet	First Ratified July 2010	Next Review April 2021	Issue 4	Page 6 of 19
--------------------------------------	--	-----------------------------	---------------------------	---------	--------------

The accountability for all aspects of cleanliness lies with the Chief Executive and the trust board.

Listening to patients

To ensure that patients receive care in an environment that is clean, safe and welcoming, through:

- Promoting strong, visible nursing leadership with clear authority at ward level, and acting on patient feedback.

Infection control

To ensure that the risk of healthcare associated infection is minimised through:

- Developing, implementing and monitoring infection control policies; and learning from experience.

Education and development

To ensure those staffs responsible for cleanliness have the ability and support to do a good job, through:

- Induction training;
- On-the-job support;
- Customer service training;
- Supervisory, managerial and leadership development training (where appropriate), and certificated competence of operatives.

Monitoring and performance

To make sure those standards of comfort and cleanliness stay high, and that any slippage is recognised and corrected, through:

This policy will be monitored by the PEAT Group and the Trust Infection Control Committee by reviewing the Trust's performance in cleanliness audits internal and externally.

- Setting targets that measure performance over a range of factors; establishing management systems that support continuous improvement; and involving ward managers and matrons in maintaining standards.

Recruitment and retention

Recruitment and retention of the workforce is essential to the long-term stability of the standards and will be achieved through:

- A streamlined and timely recruitment process;
- Robust sickness management policies;

Volume 12 Facilities & Estates	Current version is held on the Intranet	First Ratified July 2010	Next Review April 2021	Issue 4	Page 7 of 19
--------------------------------------	--	-----------------------------	---------------------------	---------	--------------

- Regular reviews of changes and developments to ensure efficient workforce planning;
- Specific plans to enhance staff retention.

Resources

The appropriate levels of resource are essential in delivering and maintaining the standards. Key to this will be:

- best value reviews and benchmarking, to ensure effective and efficient methods are being used, and that sufficient staff are always available; and that
- adequate and modern equipment is used to ensure the best achievable service.

Documentation

Comprehensive documentation should be available to ensure that operational and strategic needs are met in terms of the standards and will be achieved through:

- Developing an up to date cleaning manual that gives written guidance on how to complete each task;
- Comprehensive risk assessments undertaken to ensure working methods and staff are as safe as possible;
- Staff rota systems to ensure appropriately trained staff are available and deployed as necessary;
- Policies that involve cleaning service providers in future developments or changes.

11. The Matrons Charter

The charter sets out ten broad principles for delivering cleaner hospitals. It is aimed at all staff in the NHS, whatever their role, and should be shared with patients and visitors, to involve them in plans for improvement and to gather their feedback. The public look to nurses and midwives to make sure that the patient environment is clean and safe. Their leadership is essential but they cannot succeed alone. Matrons have worked with clinical and non-clinical colleagues to set out ten key commitments that will apply to everyone, whatever their role might be. These commitments will be delivered differently in different places but the underlying ethos remains the same. They are as follows:

- Sufficient resources will be dedicated to keeping hospitals clean: keeping the NHS clean is everybody's responsibility.
- The patient environment will be well maintained, clean and safe.
- Clinical Nurse Leaders will establish a cleanliness culture across their units.

Volume 12 Facilities & Estates	Current version is held on the Intranet	First Ratified July 2010	Next Review April 2021	Issue 4	Page 8 of 19
--------------------------------------	--	-----------------------------	---------------------------	---------	--------------

- Cleaning staff will be recognised for the important work they do. Clinical Nurse Leaders will make sure they feel part of the ward team.
- Specific roles and responsibilities for cleaning will be clear.
- Cleaning routines will be clear, agreed and well publicised.
- Patients will have a part to play in monitoring and reporting on standards of cleanliness.
- All staff working in healthcare will receive education in infection control.
- Nurses and infection control teams will be involved in drawing up cleaning contracts, and Clinical Nurse Leaders will have authority and power to withhold payment.
- Sufficient resources will be dedicated to keeping hospitals clean.

ASPH NHS Trust needs to continuously review their current practice against these commitments. The Patients Environmental Group will support the matrons' charter, lead the Trust with this initiative, and advise them of the necessary steps required to develop services to meet the spirit of the charter.

12. Revised Healthcare Cleaning Manual issued in 2009 and supported by the National Cleaning Specification for Cleanliness

This document is supplemented by the Revised *Contract for cleaning* document issued to trusts in December 2004. This document takes the first step in meeting the undertaking of *Towards cleaner hospitals & lower rates of infection*.

- A best practice guide on evaluating & awarding contracts so that quality is considered alongside price.
- Revised national specifications for cleanliness (formerly the national standards of cleanliness) which set out clearly the standards which hospitals should provide as a minimum.
- To clearly identify cleaning responsibilities within the Trusts staff groups and that there is a clear, written and well publicised cleaning responsibility framework.
- The recommended minimum cleaning frequencies which need to be followed to achieve national specifications and determine cleaning responsibilities.
- Clear specific cleaning schedules available to the public and all staff supplemented by method statements. The *Healthcare cleaning manual* issued in 2009 has been produced and will be updated regularly to reflect changes in cleaning technologies and practices.

Volume 12 Facilities & Estates	Current version is held on the Intranet	First Ratified July 2010	Next Review April 2021	Issue 4	Page 9 of 19
--------------------------------------	--	-----------------------------	---------------------------	---------	--------------

13. Identifying risk

The areas that are to be cleaned in the hospital are broken down into functional areas. Maintaining the required standard of cleanliness is more important in some functional areas than others.

In line with the revised contract for cleaning/national specifications for cleanliness, the functional areas will be grouped into four levels of cleaning intensity, based on the risks associated with inadequate cleaning in that functional area:

1. **Very high risk.** Consistently high levels of cleanliness must be maintained. Very high-risk areas may include theatres, critical care areas and other departments where invasive procedures are performed. Over a period of a month, all rooms within these areas should be audited at least weekly.
2. **High risk.** Outcomes should be maintained by regular and frequent cleaning with 'spot' cleaning in between. High-risk areas may include general wards, public thoroughfares and public toilets. Over a period of one month all rooms within these areas should be audited at least once.
3. **Significant risk.** In these areas high levels of cleanliness are required for both hygiene and aesthetic reasons. Outcomes should be maintained by regular and frequent cleaning with 'spot' cleaning in between. Significant risk areas may include out-patient area. Over a period of one month all rooms within these areas should be audited at least once.
4. **Low risk.** In these areas high levels of cleanliness are required for aesthetic and to a lesser extent hygiene reasons. Outcomes should be maintained by regular and frequent cleaning with 'spot' cleaning in between. Low risk areas may include administrative areas, non-sterile supply areas, record storage and archives. Over a period of twelve months all rooms within these areas should be audited at least twice.

14. Elements

The items to be cleaned are broken down into 49 elements as defined in the national standards of cleanliness.

15. Operational statements

In order to meet the national standards of cleanliness and as part of this operational cleaning plan, cleaning frequencies will be developed, which will detail how often these tasks should be undertaken.

Work schedules to form part of the Service Level Agreements will be developed for each area, which will detail the daily duties, weekly duties and periodic tasks.

16. Audit

The completion of an internal audit is a fundamental prerequisite of implementing the national standards of cleanliness. The baseline audit provides a detailed report on the current standard of cleanliness within the hospital.

Volume 12 Facilities & Estates	Current version is held on the Intranet	First Ratified July 2010	Next Review April 2021	Issue 4	Page 10 of 19
--------------------------------------	--	-----------------------------	---------------------------	---------	---------------

The principles of the audit are:

1. The audit clearly identifies anything that impacts on the capability to clean.
2. The audit clearly identifies tidiness issues that impact on the capability to clean.
3. The audit identifies any areas/items/elements that are not within the remit of the cleaning team.
4. The audit clearly identifies the distance between current cleanliness levels and the standard levels of cleanliness.
5. The audit is an integral part of the strategic cleaning plan.
6. The audit clearly highlights the gap between current levels of cleanliness and the standards laid down in the national standards of cleanliness for the NHS.
7. All issues/items identified as part of the audit generate exception reports.*

*A report giving detail of failures or defects that require immediate inspection as they impact on the capability to clean. These reports are escalated to the relevant professional lead and where appropriate the Patient Environment Action Team.

The audit process

An audit process has been implemented in line with the recommendations in the national specifications for cleanliness. Two levels of audit are undertaken:

- **Technical.** These take the form of regular monthly audits which form a continuous and inseparable part of the day-to-day management and supervision of the cleaning services. Technical audits are undertaken by the housekeeper. The frequency of these audits is in accordance with the relevant risk category as detailed in Section 12: *Identifying risk*.
- **Managerial.** These are planned audits that should verify cleaning outcomes of technical audits and identify any areas for improvement. The audit team should consist of housekeeping management, matrons with responsibility for cleaning, infection control, estates. These audits are undertaken at least yearly.

An annual programme for cleanliness audits on the ASPH will be developed to ensure that each area receives regular audits. Obviously, higher risk areas receive a higher proportion of audits to ensure that the high standards of cleanliness required are achieved. The audits are evidence based and if an element is not acceptable the auditor is required to make a comment as to why it is not acceptable and indicate the corrective action needed. A timescale for corrective action is recorded on the audit form and forwarded to the necessary personnel for action.

When the audit has been completed the score is produced and sent to the ward and/or Housekeeper or to allow the ward staff or duty supervisor to take action to rectify the problem areas highlighted. The following staff will be included in some/all stages of the auditing processes:

1. Housekeeping manager

Volume 12 Facilities & Estates	Current version is held on the Intranet	First Ratified July 2010	Next Review April 2021	Issue 4	Page 11 of 19
--------------------------------------	--	-----------------------------	---------------------------	---------	---------------

2. Infection Control Team
3. Estates manager/officer
4. Nursing staff (Clinical Nurse Leaders / Ward Managers)

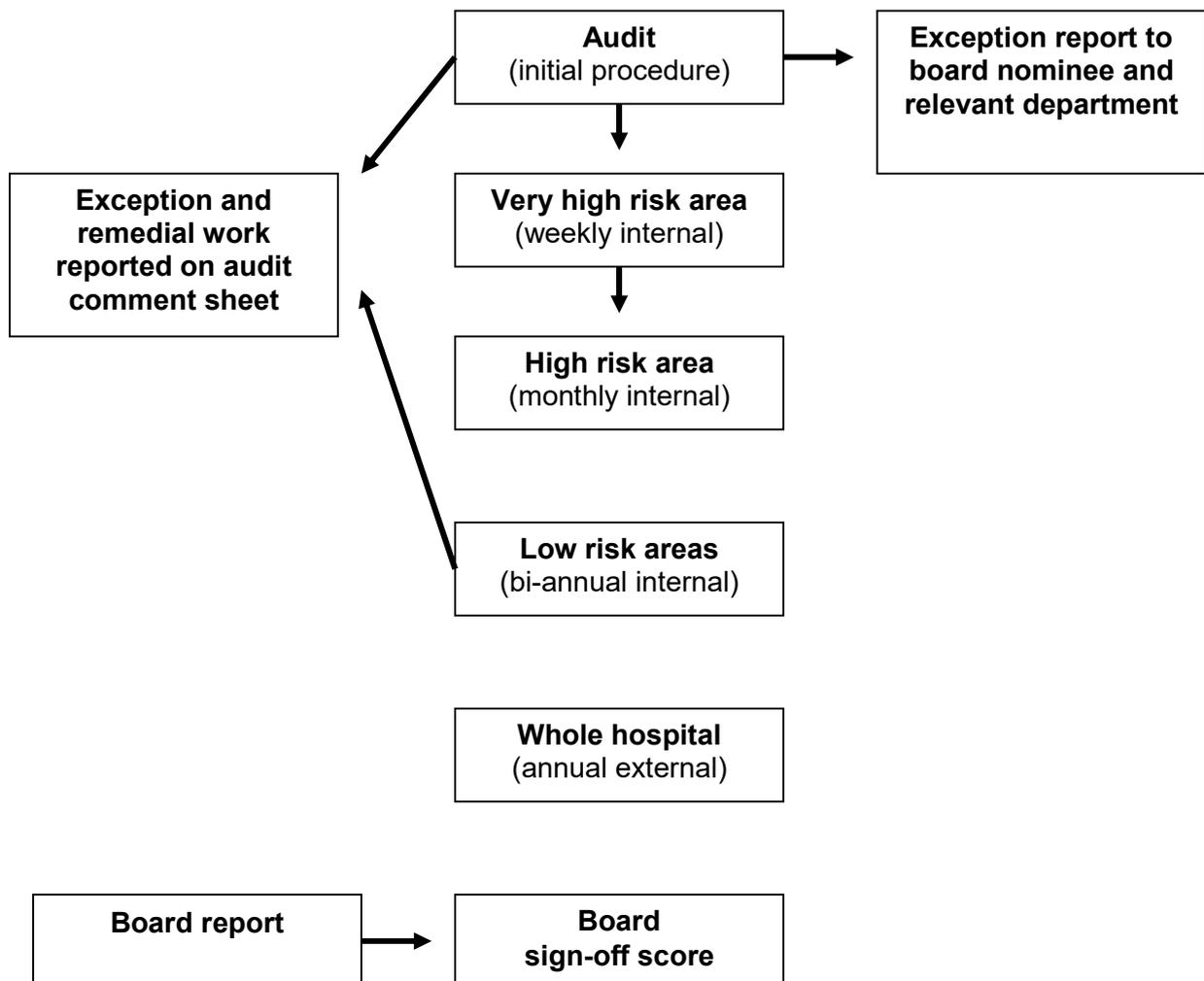
17. Results of the external audits for ASPH NHS trust

In order to comply with the national specifications for cleanliness targets, audits are carried out daily and weekly on a selection of wards and departments within the various risk categories. Using the national standards. Members of the Housekeeping team, Clinical Nurse Leaders and Patient Panel representatives carry out the audits.

The above scores are averaged over 12 months and forwarded to NHS estates as a requirement of the Estates Returns and Information Collection (ERIC).

Weekly, monthly audits will continue to be undertaken against the revised *Contract for cleaning*.

18. Audit process flow chart



The strategy includes:

- ◆ A current situational analysis against the national standards of cleanliness for the NHS (baseline assessment).
- ◆ Identification of the gap between the two.
- ◆ A top line action plan for closing the gap.
- ◆ Operational cleaning plan.

The strategy details short term, medium term and long term objectives.

19. SWOT Analysis

STRENGTHS

- Defined standards of cleanliness
- Clear expectations of the service
- Loyal staff/well trained
- Flexible workforce

WEAKNESSES

- Critical mass – no reserve on staffing
- Cost improvements/financial constraints
- Unplanned growth and developments

OPPORTUNITIES

- Further flexible working – develop the role of the hotel services assistant at ward level
- Develop an operational cleaning manual that staff can use as a reference manual.
- Develop service level agreements for all service users
- Improvements to training and recognition of staff value.

THREATS

- Non compliance to the national standards of cleanliness
- Implementation of a HSA service not funded.
- Cost improvements/financial constraints

20. Operational cleaning manual

The clarity of cleanliness standards is of paramount importance. It is essential that the staff have a clear understanding of the standards and task requirements to ensure they are working towards and assessing the same cleanliness outcomes. The standards are to be realistic and achievable and the Housekeeping staff must be able to carry out their jobs safely and in a controlled environment. In order to ensure that staff fully understand the national standards.

21. Conclusion

The implementation of the national standards of cleanliness initiative has been an opportunity to encourage improvement in and measurement of cleaning standards

Volume 12 Facilities & Estates	Current version is held on the Intranet	First Ratified July 2010	Next Review April 2021	Issue 4	Page 13 of 19
--------------------------------------	--	-----------------------------	---------------------------	---------	---------------

through a multi disciplinary staff group. Whilst significant progress has been made, there is still much to do.

This document has clarified reporting lines and gives housekeeping a higher profile within the Trust. The Hotel Services Group, Infection Control Committee and PEAG are tasked with driving this initiative forward and to shape the future pattern of services. The direction is consistent with the plans for rolling out further improvements to all housekeeping services in the future.

The publication of The matrons charter and *Revised national specifications for cleanliness* during the latter part of 2004 has given us more targets to achieve. This direction is consistent with the plans for developing and re-modelling ward housekeeping services in the future.

The ongoing use of an audit tool has focused attention on performance and quality and has been seen as a positive move forward. There are measurable improvements in service standards and an increased awareness among all staff of the standards to be achieved.

This Plan will be subject to annual review and update through the trust PEAG.

22. Other associated documents

Ashford & St. Peters NHS Trust documents:
Control of Infection Policies
Occupational Health Department Policies
Health and Safety Policy
Risk Management Policy
Cleaning Responsibilities Definitions Manual
Strategic Cleaning Policy

Monitoring

This Plan will be subject to annual review and update through the Trust Patient Experience Group (PEMG).

Dissemination and implementation

The policy has been written by the HEAD OF Facilities Support Services Team, agreed by the Infection Control Committee and ratified by the Non Clinical Risk Committee.

The policy will be available on Trustnet and as a hard copy at ward level for ease of use.

Equality impact assessment

A baseline equality impact assessment has been carried out (see Appendix 1). This has concluded that no further assessment is required.

Archiving

Responsibility for archiving trust-wide policies lies with the Quality Department, where all paper copies will be stored, and electronic folders have been set up to hold master copies.

Volume 12 Facilities & Estates	Current version is held on the Intranet	First Ratified July 2010	Next Review April 2021	Issue 4	Page 14 of 19
--------------------------------------	--	-----------------------------	---------------------------	---------	---------------

Requests for retrieval of documents can be made to the Quality Department.

Volume 12 Facilities & Estates	Current version is held on the Intranet	First Ratified July 2010	Next Review April 2021	Issue 4	Page 15 of 19
--------------------------------------	--	-----------------------------	---------------------------	---------	---------------

IMPACT ASSESSMENT TOOL

Name: William Britton

Policy/Service: Operational Cleaning Policy

		Yes/No	Comments
1.	Does the policy/guidance affect one group less or more favourably than another on the basis of:		For each category describe how you have involved stakeholders including service users and employees
	Operational Cleaning Policy		
	Race and Ethnic origin (include gypsies and travellers) (consider communication, access to information on services and employment, and ease of access to services and employment)	No	
	Disability (consider communication issues, access to employment and services, whether individual care needs are being met and whether the policy promotes the involvement of disabled people)	No	
	Gender (consider care needs and employment issues, identify and remove or justify terms which are gender specific)	No	
	Culture (consider dietary requirements and individual care needs)	No	
	Religion or belief (include dress, individual care needs and spiritual needs for consideration)	No	
	Sexual orientation including lesbian, gay and bisexual people (consider whether the policy/service promotes a culture of openness and takes account of individual needs)	No	
	Age (consider any barriers to accessing services or employment, identify and remove or justify terms which could be ageist)	No	
2.	Is there any evidence that some groups are affected differently?	No	
3.	If you have identified potential discrimination, for example, less than equal access, are any exceptions valid, legal and/or justifiable, for example a genuine occupational qualification?	No	
4.	Is the impact of the policy/guidance likely to be negative?	No	
5.	If so can the impact be avoided?	N/A	
6.	What alternatives are there to achieving the policy/guidance without the impact?	N/A	

		Yes/No	Comments
7.	Can we reduce the impact by taking different action?	N/A	

If you have identified a potential discriminatory impact of this policy, please refer it to the appropriate Action Group, together with any suggestions as to the action required to avoid/reduce this impact.

For advice in respect of answering the above questions, please contact Maria Crosbie, HR Manager, on extension 2552.