ICRA 2.0 and its implementation through automation

Aayushi Chheda

Example of Aspergillus in a newborn:

Why do we care about construction in healthcare?



Why do we care about construction in healthcare?

- Healthcare construction is recognized worldwide as presenting risk of infection to patients e.g., fungal infection.
 - Seriously ill patients, surgery patients.
 - Compounds sterile drugs for injection.
- High risk patients/activities have very low threshold for dust, etc. that can cause serious illness and infections to our patients.
- Construction impacts our ability to provide care to patients.

What is ICRA 2.0

- Infection Control Risk Assessment (ICRA) 2.0 is a framework developed by The American Society for Health Care Engineering (ASHE) in 2022 to manage Infection prevention activities during construction and Renovation in Healthcare settings.
- ICRA 2.0 had significant changes and clarifications for safety precaution
 - Higher stakes for Infection Prevention
 - Big change for Infection Prevention and Facilities

Step One: Using Table 1, Identify the Activity Type (A-D).

Table 1 - Activity Type:

	Inspection and non-invasive activities. Includes but is not limited to:
Туре А	 Removal of ceiling tile for visual inspection-limited to 1 tile per 50 square feet with limited exposure time.
	 Limited building system maintenance (e.g., pneumatic tube station, HVAC system, fire suppression system, electrical and carpentry work to include painting without sanding) that does not create dust or debris.
	 Clean plumbing activity limited in nature.
	Small-scale, short duration activities that create minimal dust and debris.
	Includes but is not limited to:
Туре В	 Work conducted above the ceiling (e.g., prolonged inspection or repair of firewalls and barriers, installation of conduit and/or cabling, and access to mechanical and/or
	electrical chase spaces).
	Fan shutdown/startup.
	 Installation of electrical devices or new flooring that produces minimal dust and debris.
	 The removal of drywall where minimal dust and debris is created.
	 Controlled sanding activities (e.g., wet or dry sanding) that produce minimal dust and debris.
	Large-scale, longer duration activities that create a moderate amount of dust and
	debris.
	Includes but is not limited to:
Type C	 Removal of preexisting floor covering, walls, casework or other building components.
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	New drywall placement.
	 Renovation work in a single room.
	 Non-existing cable pathway or invasive electrical work above ceilings.
	 The removal of drywall where a moderate amount of dust and debris is created.
	 Dry sanding where a moderate amount of dust and debris is created.
	 Work creating significant vibration and/or noise.
	Any activity that cannot be completed in a single work shift.
	Major demolition and construction activities.
Type D	 Removal or replacement of building system component(s).
i jpe D	Removal or replacement of building system component(s). Removal/installation of drywall partitions.
	Invasive large-scale new building construction.
	Renovation work in two or more rooms.
	 Renovation work in two or more rooms.

Step Two: Using Table 2, identify the Patient Risk Group(s) that will be affected. If more than one risk group will be affected, select the higher risk group.

Table 2 - Patient Risk Group:

Low Risk	Medium Risk	High Risk	Highest Risk
Non-patient care areas such as:	Patient care support areas such as:	Patient care areas such as:	Procedural, invasive, sterile support and highly compromised patient care areas such as:
 Public hallways and gathering areas not on clinical units. Office areas not on clinical units. Breakrooms not on clinical units. Bathrooms or locker rooms not on clinical units. Mechanical rooms not on clinical units. EVS closets not on clinical units. 	 Waiting areas. Clinical engineering. Materials management. Sterile processing department - dirty side. Kitchen, cafeteria, gift shop, coffee shop, and food kiosks. 	 Patient care rooms and areas All acute care units Emergency department Employee health Pharmacy - general work zone Medication rooms and clean utility rooms Imaging suites: diagnostic imaging Laboratory. 	 All transplant and intensive care units. All oncology units. OR theaters and restricted areas. Procedural suites. Pharmacy compounding. Sterile processing department - clean side. Transfusion services. Dedicated isolation wards/units. Imaging suites: invasive imaging.

Table 3 - Class of Precautions:

Construction Project Type					
Patient Risk Group	TYPE A	TYPE B	TYPE C	TYPE D	
LOW Risk Group	l I	Ш	Ш	III*	
MEDIUM Risk Group	- I	Ш	III*	IV	
HIGH Risk Group	l I	ш	IV	v	
HIGHEST Risk Group	ш	IV	v	v	

What is ICRA 2.0

Assess Infection risks to improve patient safety

- 1. Defines the activity (same as before)
- 2. Identifies patient risk: low-nonclinical areas, medium, high, highest (more clarity in 2.0)
- 3. Defines class of precautions (more clarity in 2.0)
- 4. Assess surrounding area (more focus in 2.0) What is around the space-above, below, lateral, front, behind? Impact of noise, dust control, ventilation, pressure, gas/water systems
- 5. Mitigation plan which controls are needed and which not?

Table 4 - Surrounding Area Assessment

Unit Below:	Unit Above:	Unit Lateral:	Unit Behind:	Unit in Front:		
		Risk Group:	Risk Group:	Risk Group:		
Contact: Contact: Co		Contact:	Contact:	Contact:		
Phone:	Phone:	Phone:	Phone:	Phone:		
Additional Controls: Additional Controls: Additional C			Additional Controls:	Additional Controls:		
Noise	Noise	Noise	Noise	Noise		
Vibration	□ Vibration	Vibration	Vibration	Vibration		
Dust control	Dust control	Dust control	Dust control	Dust control		
Ventilation	Ventilation	Ventilation	Ventilation	Ventilation		
Pressurization	Pressurization	Pressurization	Pressurization	Pressurization		
Impact to other	Impact to other	Impact to other	Impact to other	Impact to other		
systems, such as:	systems, such as:	systems, such as:	systems, such as:	systems, such as:		
Data	Data	Data	Data	Data		
Mechanical	Mechanical	Mechanical	Mechanical	Mechanical		
□ Med Gases	Med Gases	Med Gases	Med Gases	Med Gases		
Water Systems	□ Water Systems	Water Systems	Water Systems	Water Systems		
	Mitigation Strategies					
	drills instead of powder-a					
	e-making periods with ad	ijacent spaces.				
	mps instead of shot.					
Prefab where		of using a shan asu				
	to cut metal studs instead ecking with vent tabs, the		hongoro			
	press instead of soldering		nangers.			
	instead of dry core or per					
	khammering concrete, us					
	cuums instead of standar					
	cal joining system sprinkle		ded			
	are tolerated, use chemic			chanical		
	oring, shot blast instead of		oning glue) instead of me	ondinour.		
	heers instead of reciproca		itting.			
	man/material lifts.		g.			
	surization Mitigation S	Strategies				
HEPA-99.979	% to exterior.					
Install tempor.	ary ductwork.					
Utilize tempor	temporary HVAC equipment.					
Vacate the area						
	rary partitions.					
Use carbon filtration to filter odors.						
	stems Mitigation Stra	tegies				
Schedule outa						
Provide tempo						
Back-feed electricity or medical gases.						
	Flushing and testing of building water systems.					

Implementing ICRA 2.0 at PAMC





First built in 1962; in same location during 1964 earthquake



Structure of building has been series of remodels vs new builds over the last 60 years



Main hospital campus with 17 Towers including 4 additional separate buildings and 4 parking garages



Currently, entire campus makes up approx. 2.1 million square feet

What are some common challenges you face with Healthcare Facilities and Maintenance staff/contractors? Challenges we faced..

- Compliance
- Involving IP





1. Increase compliance with ICRA



2. Make it easy to involve IP

How do you get compliance with infection control requirements?

- Education
- Standardization
- Make it as easy as possible to comply

Education-Area of focus

1. Why do we care about construction/repairs in healthcare?

-No body knows what IPs do!

- Dust, mold, water sources, patient care areas
- Collaboration before projects

2. How can we standardize construction/repairs practice for campuses across all regions of Alaska.



Education-Online module content



- Identify the responsibilities of stakeholders
 - Opportunities to include IP early, frequent reminders to include IP throughout the module
- Describe the infection related hazards that can result from construction/repair activities.
 - Outbreak case studies/pictures of resulting harm
- Understand the purpose/function of the Infection Control Risk Assessment (ICRA)
 - Display of what the form looks like explains what to do during and after projects of each risk class

Education-Online module content

- Discuss the level of infection control activities required for project risk class
 - Infection control tools that can be used e.g. : Hogs, ECU, vent covers, vacuum attachments
- What can you expect from IP?
 - Monitoring frequency to promote transparency
- Resources
 - How to reach IP/How to submit a request



Education-Online module design

- Adults need to know why they need to learn something and build on their experience
 - Pictures and Case studies
- Adults want their training to be problem focused
 - Introduction of ICRA 2.0
- Adults learn best when motivation comes intrinsically
 - Leadership support

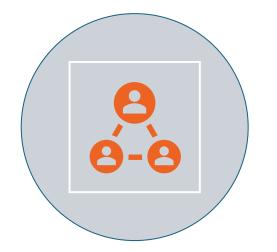


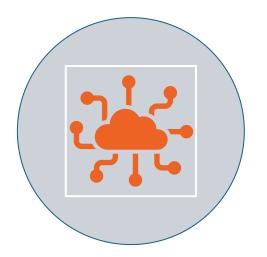
Education-Online module implementation

- IP collaborated with education team
- IP team was content expert, and the education team put it into an online module format that was simple, easy to view, included lots of pictures, made it interactive, easy language
- Separate platform for staff vs contracted/outside vendors
- Buy-in from Facilities and Construction leadership



Standardization through automation

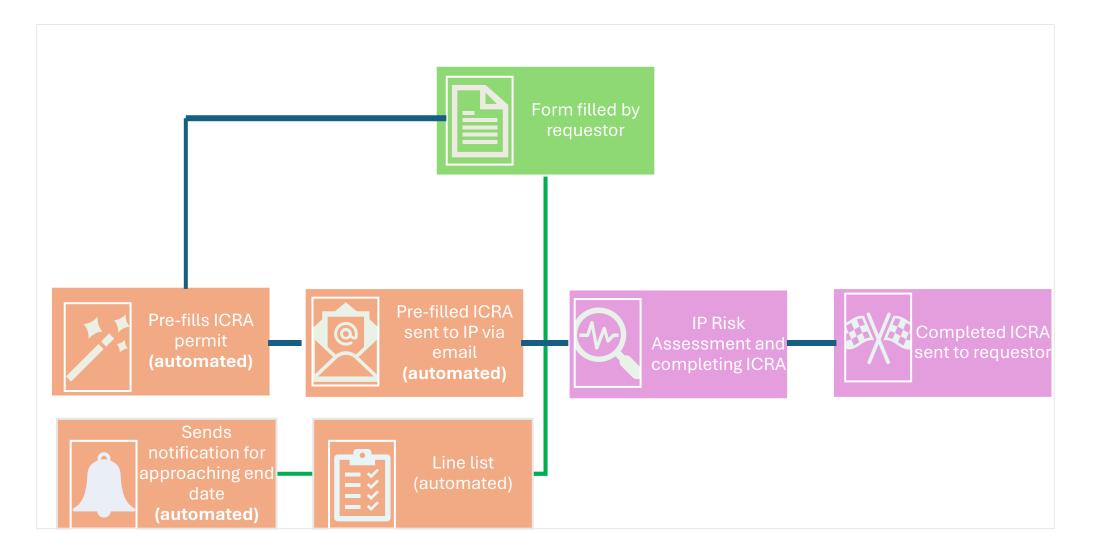




EFFICIENT COORDINATION BETWEEN IP AND FACILITIES & MAINTENANCE STAFF

QUICK ACCESS TO IP WITHOUT MANY PHONE CALLS/DROP-INS

Standardization through automation





Infection Prevention Department Phone: 555-5555

Project/Permit <u>#</u>	
Maintenance Location: Flamingo Room	Start Dale: 6/1/2024
	Permit Expiration Date 6/5/2024
Project Coordinator/Supervisor: Ted Jedderson	Phote: 666-6666
Contractor Performing Work: Jerry	Phote: 777-7777

Project Risk Class

Class	ss Construction						
I	 Perform noninvasive work activity as to not block or interrupt patient care. Perform noninvasive work activities in areas that are not directly occupied with patients. 	 Perform noninvasive work activity in a manner that does not creatidust. Immediately replace any displaced ceiling tile before leaving the a and/or at end of noninvasive work activity. 					
		n to Class I:					
Ш	 Perform only limited dust work and/or activities designed for basic facilities and engineering work. 	 Perform limited dust and invasive work following standing precaut procedures approved by the organization. 					
	In addition to Class I and II:						
	 Have all patient/unit equipment and supplies moved out of the construction/work area ptior to beginning project Provide active means to prevent airborne dust dispersion into the occupied areas through the use of hand-held HEPA vacuum devices, polyethylene plastic containment, isolation of work area by closing 	 Nonporcus/semooth and cleanable containers (with a hard lid) musuled to transport trash and debris from the construction areas. Th containers must be damp-wiped cleaned and free of visible dus/debris before leaving the contained work area. Do not remove barriers from work area unil completed project is 					
	 room door, etc. Remove or isolate return air diffusers to avoid dust from entering the 	 thoroughly cleaned by Env. Services Dept. Install an adhesive (dust collection) mat at entrance of contained 					
	HVAC system. Remove or isolate the supply air diffusers to avoid positive pressurization of the space. If work area is contained, then it must be neutrally to negatively	 work area based on facility policy. Adhesive mats must be change routinely and when visibly solled. Maintain clean surroundings when area is not contained by damp mopping or HEPA vacuuming surfaces. 					
	preseurized, at all times. Seal all doors with tape that will not leave residue. Contain all trash and debris in the work area.	 Worker clothing must be clean and free of visible dust before leavi the work area. HEPA vacuuming of clothing or use of cover suits i acceptable 					
	In addition to C	Class I, II, and III:					
	Construct and complete critical barriers meeting NFPA 241 requirements including: Barriers must extend to the ceiling or, if ceiling the is removed, to the deck above, and all genetrations through the barrier shall meet the appropriate fire rating requirements. (See Technical Standard 465 – Infection Control Risk Assessment for additional barrier requirements) Environmental containment units (ECUs) are approved for Class IV	 Exhaust into shared or recirculating HVAC systems, or other shared exhaust systems (e.g., bathroom exhaust) is not acceptable. See Technical Standard 465 – Infection Control Risk Assessment additional guidance on negative pressure Install device on exterior of work containment to continually monito negative pressurization. To assure proper pressure is continuousl 					
IV	precautions in small areas totally contained by the unit and that has HEPA-filtered exhaust air. Maintain negative pressurization of the entire workspace by use of HEPA exhaust air systems directed outdoors. Exhaust discharged	 maintained, it is recommended that the device(s) have a visual pressure indicator. Vacuum work area with HEPA filtered vacuums or wet mop every shift of construction activity, minimize tracking. 					
	 directly to the outdoors that is 25 feet or greater from entrances, air intakes and windows does not require HEPA-filtered air. If exhaust is directed indoors, then the system must be HEPA filtered. Prior to start of work, HEPA filtration must be verified by particulate measurement as no less than 99.97% efficiency and must not alter or change airflow/pressure relationships in other areas. 	 Workers must wear shoe covers prior to entry into the work area. Shoe covers must be changed prior to exiting the anteroom to the occupied space (non-work area). Damaged shoe covers must be immediately changed. 					
	In addition to Class I, II, III, and IV:						
v	 Construct anteroom large enough for equipment staging, cart cleaning, workers. The anteroom must be constructed adjacent to entrance of construction work area. Personnel will be required to year disposable coveralls at all times during Class V work activities. Disposable coveralls must be removed before leaving the anteroom. 	Negative airflow pattern must be maintained from the entry point it the anteroom and into the construction area. The airflow must cascade from outside to inside the construction area. The entire construction area must remain negatively pressurized.					
	Additional Requirements: See Class III for abatement work. Referen	nce Mold Mitigation Remediation – Bollov Rist ID: 10024906.					
Permit	Requested By: Ted Jedderson	Permit Authorized by:					
Date: 5	V6/2024	Date:					
	This permit must be posted at works						

Step 1: Select Construction Activity Type

Type A	Inspection and Non-Invasive/General Upkeep Activities. Includes but is not limited to: removal of ceiling tiles for visual inspection (limited to 1 tile per 50 square feet); limited building system maintenance (e.g., pneumatic tube station, HVAC system, fire suppression system, electrical and carpentry work to include painting without sanding) that does not create dust or debris; clean plumbing activity limited in nature.
Type B	Small scale, short duration activities that create minimal dust. Includes but not limited to: work conducted above the ceiling (e.g., prolonged inspection or repair of firewalls and barriers, installation of conduit and/or cabling, and access to mechanical and/or electrical chase spaces); fan shutdown/startup; installation of electrical devices, installation of new flooring, removal of drywall, or controlled sanding activities which produce minimal dust and debris. (Projects in this category are typically completed in a single work shift)
Type C	Any work that generates a moderate-to-high level of dust. Includes but not limited to: removal of pre-existing floor covering, walls, casework or other building components, new drywall placement; renovation work in a single room; non-existing cable pathway or invasive electrical work above cellings; removal of drywall or dry sanding where a moderate amount of dust and debris is created; work creating significant vibration and/or noise. (Projects of this type cannot be complete within a single work shift.)
Type D	Major demolition work and construction projects. Includes but is not limited to: removal or replacement of building system component(s); removal/installation of drywall partitions; invasive large-scale new building construction; renovation work in two or more rooms.

Step 2: Select Infection Control Risk Assessment Groups/ Zones

Group 1 – Lowest	Group 2 – Medium	Group 3 – High	Group 4 – Highest
Public hallways and gathering	Waiting areas	All acute care units	All intensive care units (including PICU/NICU)
areas not on clinical units	Clinical engineering	Emergency Department	All oncology units/clinics
units	Materials management/General Stores	Pharmacy – general work zone	OR theaters and restricted areas (including day surgery, Labor and Delivery, PACU, etc)
Breakrooms not on clinical units	Sterile processing department - dirty side	Medication rooms and clean utility rooms	Procedural suites (Including Cath labs, etc)
Bathrooms or locker rooms not on clinical units	Gift shop	Imaging suites: diagnostic	Pharmacy compounding
		imaging	Sterile processing department – clean side
Mechanical rooms not on clinical units	Kitchen, cafeteria, coffee shop, and food kiosks	Laboratory	Transfusion services
EVS not on clinical units	Cardiac Rehab	Outpatient Clinic*	Dedicated Isolation wards/units
Non-patient/ low risk areas not listed elsewhere	PT/OT Rehab		Imaging suites: invasive imaging
			Children's Hospital/Pediatrics
			Dialysis Suites/Renal Care Units
			Wound centers
			Microbiology and Special Laboratories

*Outpatient clinic spaces risk class may be different based on level of care provided

🕂 Step 3: Determine Project Risk Class from Construction Activity Infection Control Matrix

Risk Level	Construction Activity				
	Type A	Type D			
Group 1	I			III/IV	
Group 2	I		III/IV	IV	
Group 3	I		IV.	V	
Group 4		IV	V	V	

Revised: 7/27/2023

Revised: 7/27/2023

Uninto	nance Location: Flamingo Room	
Descri	107-	Permit Expiration Date: 6/5/2024
Descri	puon.	Permit Expiration Date. BCX2124
Project	t Coordinator/Supervisor: Ted Jedderson	Phone: 666-6666
Contra	ctor Performing Work: Jerry	Phone: 777-7777
	Project Risk Class	ssment Matrix-Permit Required for Class IV and V Project)
Class	Const	ruction
T	Perform noninvasive work activity as to not block or interrupt patient care. Perform noninvasive work activities in areas that are not directly occupied with patients.	 Perform noninvasive work activity in a manner that does no dust. Immediately replace any displaced ceiling tile before leaving and/or at end of noninvasive work activity.
	In addition	n to Class I:
Ш	 Perform only limited dust work and/or activities designed for basic facilities and engineering work. 	 Perform limited dust and invasive work following standing p procedures approved by the organization.
	In addition to	 Class I and II: Nonporous/smooth and cleanable containers (with a hard like)
ш	 Provide active means to prevent airborne dust dispersion into the occupied areas through the use of hand-held HEPA vacuum devices, polyethylene plastic containment, isolation of work area by closing room door, etc. Remove or isolate return air diffusers to avoid dust from entering the HVAC system. Remove or isolate the supply air diffusers to avoid positive pressurization of the space. If work area is contained, then it must be neutrally to negatively pressurized and doors with not heave residue. Seal all doors with note that will not leave residue. 	 containers must be damp-wiped cleaned and free of visible dust/debris before leaving the contained work area. Do not remove barriers from work area until completed projithoroughly cleaned by Env. Services Dept. Install an adhesive (dust collection) mat at entrance of contively and when visibly solied. Maintain clean surroundings when area is not contained by mopping or HEPA vacuuming surfaces. Worker clothing must be clean and free of visible dust before the work area. HEPA vacuuming of clothing or use of cover acceptable
IV	 Construct and complete critical barriers meeting NFPA 241 requirements including: Barriers must extend to the ceiling or, if ceiling the is removed, to the deck above, and all penetrations through the barrier shall meet the appropriate fire rating requirements. (See Technical Standard 465 – Infection Control Risk Assessment for additional barrier requirements) Environmental containment units (ECUs) are approved for Class IV precautions in small areas totally contained by the unit and that has HEPA-filtered exhaust air. Maintain negative pressuitization of the entire workspace by use of HEPA exhaust air systems directed outdoors. Exhaust discharged directly to the outdoors that is 25 feet or greater from entrances, air intakes and windows does not require HEPA-filtered air. If exhaust is directed indoors, hen the system must be HEPA filtered. Prior to stat of work, HEPA filtration must be verified by particulate measurement as no less than 99.97% efficiency and must not alter or change airflow/pressure relationships in other areas. 	 Exhaust Into shared or recirculating HVAC systems, or shared exhaust systems (e.g., bathroom exhaust) is not acceptable. See Technical Standard 465 – Infection Control Risk Asses additional guidance on negative pressure install device on exterior of work containment to continually negative pressurization. To assure proper pressure is contain maintained, it is recommended that the device(s) have a vis pressure indicator. Vacuum work area with HEPA filtered vacuums or wet mop shift of construction activity, minimize tracking. Workers must wear shoe covers prior to entry into the work Shoe covers must be changed prior to exiting the anteroom occupied space (nor-work area). Damaged shoe covers musi immediately changed.
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Permit	Requested By: Ted Tedderson	Permit Authorized by:
Date: :	5/6/2024	Date:

Step 1: Select Construction Activity Type

Туре А	Inspection and Non-Invasive/General Upkeep Activities. Includes but is not limited to removal of ceiling tiles for visual inspection (limited to 1 tile per 50 square feet); limited building system maintenance (e.g., pneumatic tube station, HVAC system, fire suppression system, electrical and carpentry work to include painting without sanding) that does not create dust or debris; clean plumbing activity limited in nature.
Туре В	Small scale, short duration activities that create minimal dust. Includes but not limited to: work conducted above the ceiling (e.g., prolonged inspection or repair of firewalls and barriers, installation of conduit and/or cabling, and access to mechanical and/or electrical chase spaces); fan shutdown/startup; installation of electrical devices, installation of new flooring, removal of drywall, or controlled sanding activities which produce minimal dust and debris. (Projects in this category are typically completed in a single work shift)
Туре С	Any work that generates a moderate-to-high level of dust. Includes but not limited to: removal of pre-existing floor covering, walls, casework or other building components; new drywall placement; renovation work in a single room; non-existing cable pathway or invasive electrical work above ceilings; removal of drywall or dry sanding where a moderate amount of dust and debris is created; work creating significant vibration and/or noise. (Projects of this type cannot be complete within a single work shift.)
Type D	Major demolition work and construction projects. Includes but is not limited to: removal or replacement of building system component(s); removal/installation of drywall partitions; invasive large-scale new building construction; renovation work in two or more rooms.

Step 2: Select Infection Control Risk Assessment Groups/ Zones

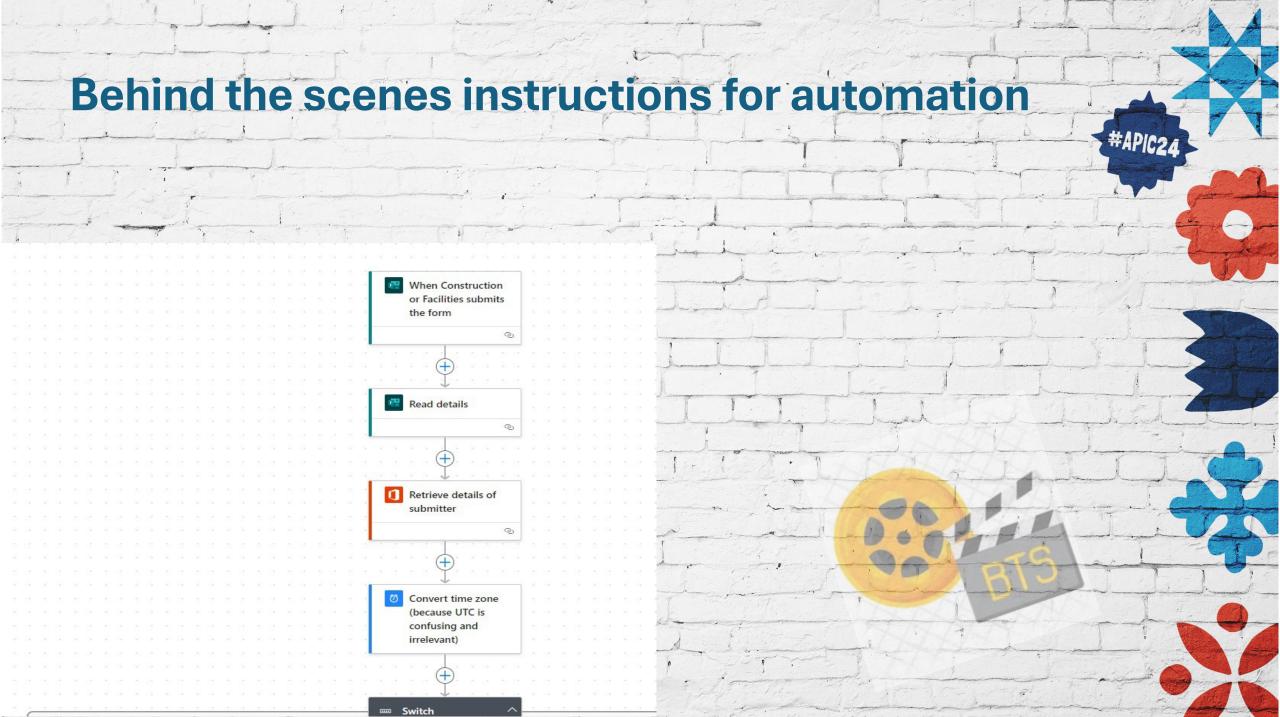
Group 1 – Lowest	Group 2 – Medium	Group 3 – High	Group 4 – Highest
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units	Materials management/General Stores	Pharmacy – general work zone	OR theaters and restricted areas (including day surgery, Labor and Delivery, PACU, etc)
Breakrooms not on clinical units	Sterile processing department – dirty side	Medication rooms and clean utility rooms	Procedural suites (Including Cath labs, etc)
Bathrooms or locker rooms not on clinical units	Gift shop	Imaging suites: diagnostic	Pharmacy compounding
Mechanical rooms not on	Kitchen, cafeteria, coffee shop.	imaging	Sterile processing department - clean side
clinical units	and food kiosks	Laboratory	Transfusion services
EVS not on clinical units	Cardiac Rehab	Outpatient Clinic*	Dedicated Isolation wards/units
Non-patient/ low risk areas not listed elsewhere	PT/OT Rehab		Imaging suites: invasive imaging
Isted elsewhere			Children's Hospital/Pediatrics
			Dialysis Suites/Renal Care Units
			Wound centers
			Microbiology and Special Laboratories

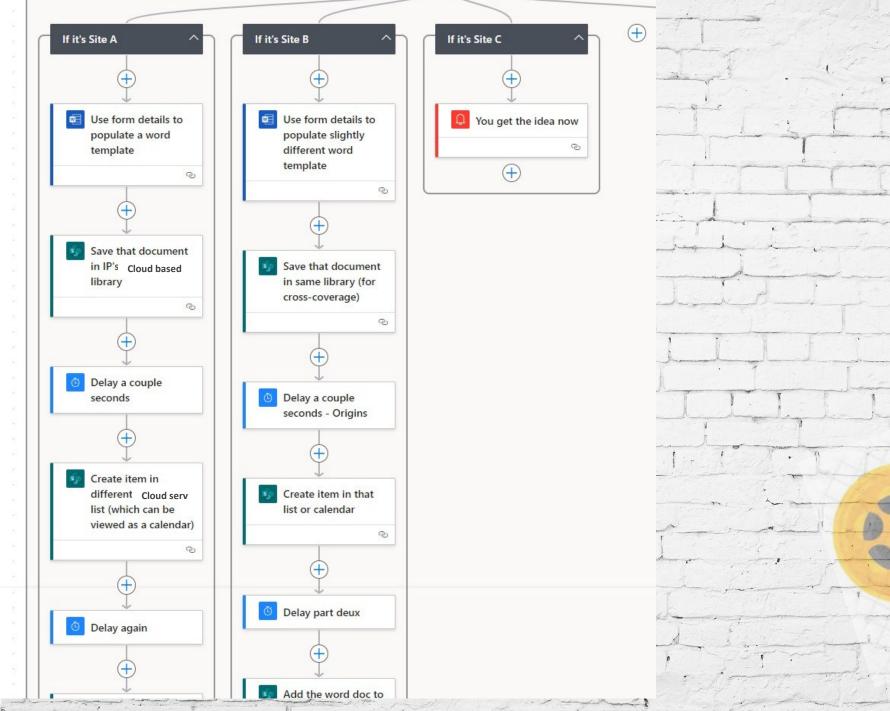
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🗄 Step 3: Determine Project Risk Class from Construction Activity Infection Control Matrix

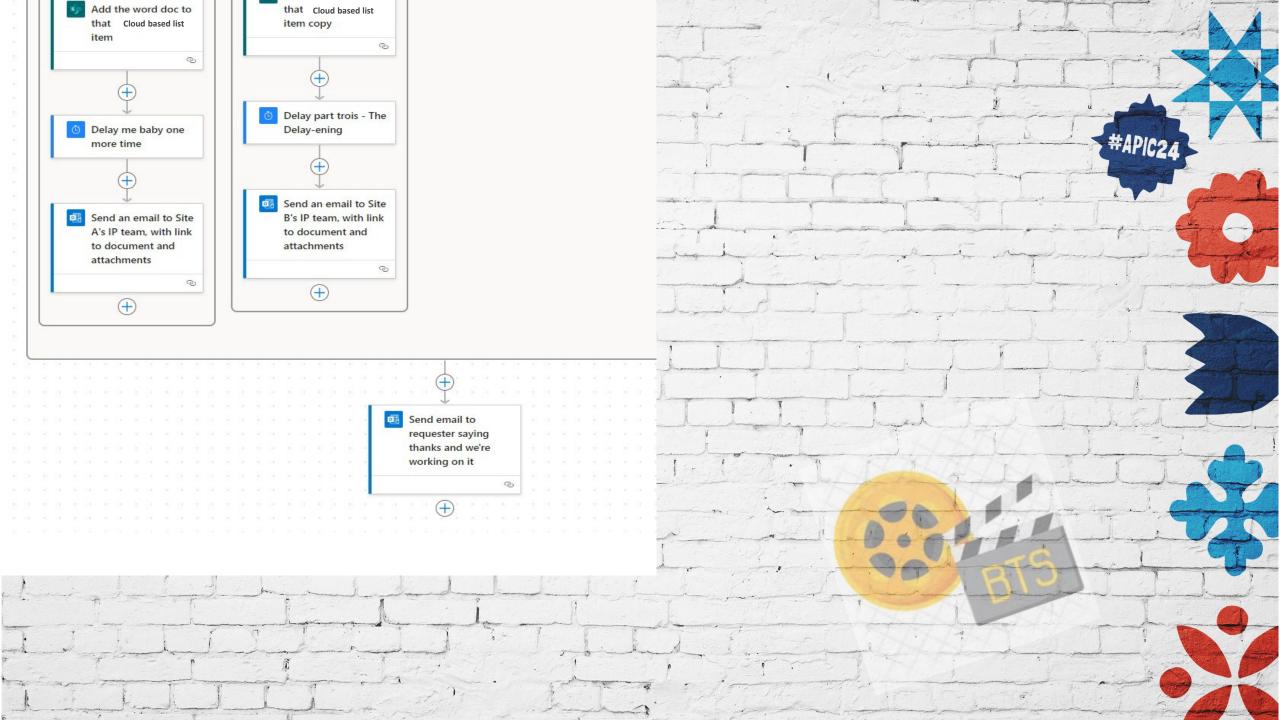
Risk Level	Construction Activity							
	Type A	Type B	Type C	Type D				
Group 1	I			III/IV				
Group 2	I		III/IV	IV				
Group 3	I		N.	V				
Group 4		IV	V	V				

Revised: 7/27/2023

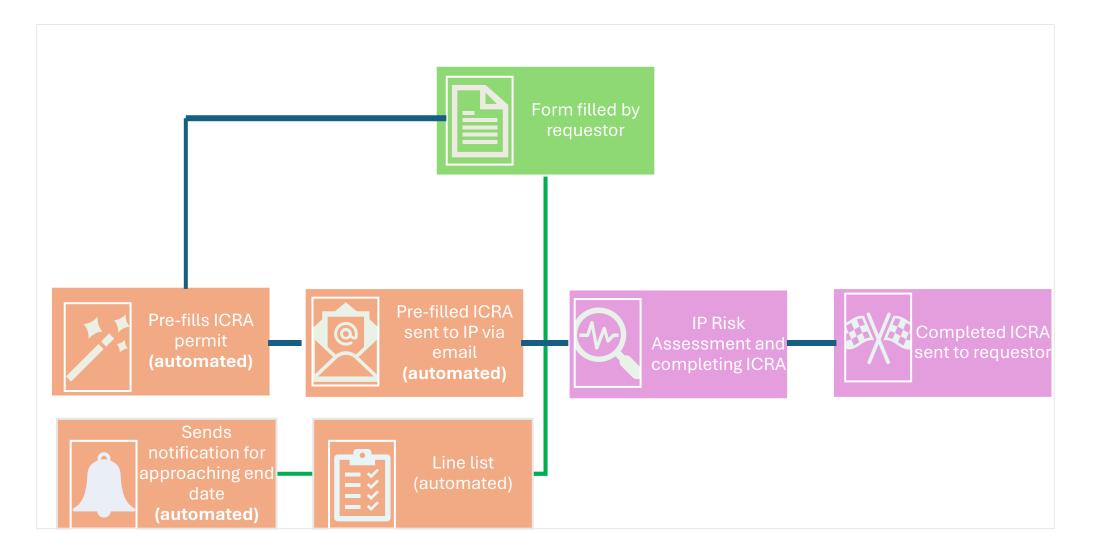








Standardization through automation



Easy to comply-Monitoring



Infection Control Construction Inspection Log

Project Manager/Contact: _____

Project: _____

Project Class: _____ ICRA Permit Posted? Y N N/A

ITEM	Y	Ν	N/A	ITEM	Y	Ν	N/A	ITEM	Y	Ν	N/A
Barricades sealed with minimal				Barricades sealed with minimal				Barricades sealed with minimal			
penetrations - doors closed and				penetrations – doors closed and				penetrations – doors closed and			
gasketed/sealed with duct tape				gasketed/sealed with duct tape				gasketed/sealed with duct tape			
All intake/exhaust vents covered				All intake/exhaust vents covered				All intake/exhaust vents covered			
HEPA hog operational and				HEPA hog operational and				HEPA hog operational and			
exhausted appropriately				exhausted appropriately				exhausted appropriately			
Negative pressure reading (\geq -0.03):	tive pressure reading (\geq -0.03): Negative pressure reading (\geq -0.03):		Negative pressure reading (≥ -0.03) :								
No dust/dirt seen outside of the				No dust/dirt seen outside of the				No dust/dirt seen outside of the			
barricade - floors clean near				barricade - floors clean near				barricade - floors clean near			
entrances				entrances				entrances			
Appropriate clothing worn by				Appropriate clothing worn by				Appropriate clothing worn by			
workers for work area				workers for work area				workers for work area			
Demonstrate compliance with debris				Demonstrate compliance with				Demonstrate compliance with			
removal				debris removal				debris removal			
No water leakage seen				No water leakage seen				No water leakage seen			
Tacky mats sticky at entrances				Tacky mats sticky at entrances				Tacky mats sticky at entrances			
Tacky mat #:				Tacky mat #:				Tacky mat #:			
Adjacent ceiling tiles intact				Adjacent ceiling tiles intact				Adjacent ceiling tiles intact			
Restricted to authorized personnel				Restricted to authorized personnel				Restricted to authorized personnel			
only				only				only			

Date:	Date:	Date:
Inspected by:	Inspected by:	Inspected by:
Comments:	Comments:	Comments:

Easy to comply-Automation

For Facilities and Maintenance

- Easy to comply for Facilities and Maintenance staff including outside contractors
 - Form completed in 5 mins
 - Easy access via phones for contactors (link, QR codes) enhances compliance
 - Ensures timely risk assessments
- Automated emails before permit expiration



Easy to comply-Automation

For Infection Preventionists

- Streamlines ICRA request process and reduces administrative burdens
- Coverage for IPs across the region and fosters independence among IPs
- Encourages collaboration
- Efficient record keeping
- Enhanced the overall oversight

Challenges with Automation





Learn O D Something New

Success Depended On

Support from Facilities and Construction leadership

IP leadership support with automation learning, tools, and resources

Fostering partnerships and easing the way



https://www.ashe.org/icra2