

**U. S. Department of Energy
Facilities Information Management System
Request for Change
Change Request #: 14-10**

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HQ Program Office:	SC			Contractor	
Proposed Change:	<p>Develop a new Utilization window for buildings and trailers that will be available for all ownership types. As part of Phase I implementation, this new window will be required for those sites participating in the Laboratory Operations Board initiative and optional for all other sites. In the future, this may become mandatory for all sites. The new Utilization window will include the following data elements.</p> <ul style="list-style-type: none"> • <u>Gross Sqft</u> – This is an existing FIMS data element and will be a display only field. No updates will be allowed to the Gross Sqft from this window. • <u>Usable Sqft</u> – This is an existing FIMS data element currently called Net Usable Sqft but will be renamed to Usable Sqft. This data element will be display only. No updates will be allowed to the Usable Sqft from this window. • <u>Asset Utilization %</u> <ul style="list-style-type: none"> ○ <u>% Utilized</u> - This is an existing FIMS data element currently called Utilization but will be renamed to % Utilized. ○ <u>Utilization Level</u> - This is system generated data element. It will display one of the following four values: Over Utilized (% Utilized > 95%), Fully Utilized (% Utilized 75% to 95%), Under Utilized (% Utilized 10% to < 75%), and Not Utilized (% Utilized < 10%). • <u>Space Type Utilization %</u> <ul style="list-style-type: none"> ○ % Utilized – This is a system generated data element. The formula for this calculation is based on the space type table below. (Total Space Type Utilized / Total Space Type Usable SF * 100) ○ Utilization Level - This is system generated data element. It will display one of the following four values: Over Utilized (% Utilized > 95%), Fully Utilized (% Utilized 75% to 95%), Under Utilized (% Utilized 10% to < 75%), and Not Utilized (% Utilized < 10%). • <u>Utilization Notes</u> – This is an optional data element that will provide up to 250 characters to allow for justification of entries or capture rationale. • <u>Space Types</u> – Optional data elements will be available for entry for each of the following Space Types. <ul style="list-style-type: none"> ○ High Bay - Laboratory, manufacturing, assembly/disassembly, production, pilot testing, R&D, space with at least 12-foot ceilings and one or more of the following typical attributes: large doors, cranes, and high-floor loading. Could include hot cells, pilot plants, large-scale process operations/processing (including waste management), specialty shops, service facilities, and vehicle maintenance bays. Differentiable from storage by its height and research, development, or production attributes. ○ Ventilation Intensive- Facility space with substantive hood use or ventilation-intensive environmental controls, typically with at least six air changes per hour and averaging at least approximately one hood per 150 ft² at the room level. Includes spaces requiring negative pressure such as hot cells, high performance chemistry or biology, vivarium, medical research, specialized manufacturing/shops, and high performance cleanrooms , 				

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	<p>Nanoparticle labs, BSL, wet labs or research space with high-air change coupled with once-through air requirements also align to this space type.</p> <ul style="list-style-type: none"> ○ Power Intensive - Includes high-power computational/data center, accelerator labs, physics labs, and high-power laser labs, voltages above 480V, are typical. May include raised flooring and environmental controls. Differentiable from multipurpose control rooms and other spaces without the special environmental requirements, and other power intensive capabilities. ○ General – Wet - Wet laboratory, chemistry, biology, light process, waste management, or multipurpose space, and may have fume hood space. Examples include greenhouses, gas-processes, and occupational medical. ○ General – Dry - Dry space without hoods or a minimal amount compared to room size. Differentiable as dry lab or similar space not meeting the Power Intensive standard. This includes dry laboratories, laboratory or production support spaces, instrument laboratories, assembly, electronic shops, manufacturing, visualization suites, etc. ○ Office - Design Capacity is defined by the site (policy, true design capacity, qualitative judgment). Typical design characteristics could include compliance with the existing site standard with normal office amenities, (120V power, communications, lighting, comfort cooling/heating, etc.). Excludes common, conference, and classroom space. ○ Storage - Lowest capable space, not generally occupied; used for programmatic, general or other storage; Typically dry and/or controlled space. May be suited to hazardous or nonhazardous items. <ul style="list-style-type: none"> ● Space Type Usable Sqft – An optional data element that will be available for the Space Types previously identified. It represents the amount of usable square footage of a space (e.g., a room) and all the associated square footage necessary for meeting the function for the space (e.g., a control room for a facility in a high bay). The sum of the usable area of the identified space types will never exceed the asset level usable space. ● Space Type Utilization % - An optional data element that will be available for the Space Types previously identified. It represents utilization percentage of the space types previously identified. ● Space Type Utilized SF – This is a system generated field. It is result of Space Type Usable Sqft * Space Type Utilization %. ● Space Alternatively Used – An optional data element that denotes that a space is presently used for an activity that does not necessitate the space type (for example, Ventilation Intensive capable space used for Storage).
Justification:	<p>This request is necessary to support the Laboratory Operations Board initiative. It will allow for the Department to define a common set of fundamental space types that enable the work we do, the amount we have and assess our degree of use. The enables the Department to define the site and enterprise in terms of enabling space defined with consistent attributes using rigorous and defensible assessment methodologies, provide a transparent linkage between infrastructure needs and program capabilities, and translate space condition and performance in meaningful ways to downstream budget needs and priorities.</p>

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Please Do Not Type Below This Line	
FAC Remarks:	03/19/2014 – FAC Recommended
OAPM Remarks:	
FDDC Remarks:	03/19/2014 – FDDC Approved
Implemented:	05/22/2014 – Deployed in FIMS release v2.18

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Proposed New FIMS Space Utilization Screen

Site: TJNAF Area: All Property ID: 01 Property Name: North LINAC

Gross Sqft: 10,000
Usable Sqft: 8,500

Display Only – Info brought forward for reference use – from the Dimensions screen

Asset Utilization %	% Utilized <manually entered>	Utilization Level FIMS Calculated
Space Type Utilization %	FIMS Calculated	FIMS Calculated

- Utilization Level Choices:
- Over Utilized > 95%
 - Fully Utilized 75 to 95%
 - Under Utilized 10 to 75%
 - Not Utilized <10%

System calculated from the table below using the following formula:
Total Space Type Utilized SF / Total Space Type Usable SF X 100

Utilization Notes: <maximum of 250 characters>

Space Types Are Optional

Space Types	Space Type Usable Sqft	Space Type Utilization %	Space Type Utilized SF	Space Alternatively Used
High Bay			FIMS Calculated	<input type="checkbox"/>
Ventilation Intensive			FIMS Calculated	<input type="checkbox"/>
Power Intensive			FIMS Calculated	<input type="checkbox"/>
General – Wet			FIMS Calculated	<input type="checkbox"/>
General – Dry			FIMS Calculated	<input type="checkbox"/>
Office			FIMS Calculated	<input type="checkbox"/>
Storage			FIMS Calculated	<input type="checkbox"/>
TOTAL	FIMS Calculated		FIMS Calculated	

System calculated – Sum of Space Type Usable SF. Can be less, but can't exceed asset's usable SF as shown above.

System calculated – Sum of Space Type Utilized SF.