

Customization Process for Upgraded Version of Broadcast Transmission ODN Product

Article Overview

The customization process involves configuring SAP Official Document Numbers (ODN) for compliance and managing upgraded ODN modules for efficient, digitalized optical network deployment.

SAP ODN Configuration

1. Define Custom ODN Types:

- o Navigate to Customizing -> Cross-Application Components -> General Application Functions -> Define Official Document Number Settings.
 - o Use transaction code ODNTYPC to configure ODN type characteristics.
 - o Enter the country/region ISO code, assign the ODN type, and specify ODN length and timestamp format if legal timestamping is required .
- ### 2. Assign Business Processes:
- o Link the ODN type to relevant business processes and events that trigger document number generation.
 - o Enable mandatory ODN to ensure system validation during document posting .
- ### 3. Maintain Number Ranges and Subobjects:
- o Use transaction codes SM30 and SNRO to define number groups and subobjects for overlapping ranges, ensuring consecutive numbering without gaps .
 - o Assign number groups to combinations of company code, business place, and document class for precise tracking .
- ### 4. Country-Specific Settings:
- o For example, in India, maintain ODN control as 'C' (without date control) and configure document classes according to business requirements .

Technical Customization for Upgraded ODN Modules

1. Quick Construction and Digitalization:

- o Implement digitalized Quick ODN to improve fiber deployment efficiency and enable digital resource management .
 - o Use pre-connectorized ODN product modules, digital labels, and intelligent management terminals to streamline installation and monitoring .
- ### 2. Intelligent ODN Management:
- o Collect ODN information via smart devices or digital labels integrated into the network.
 - o Ensure the system supports visualized and manageable ODN networks, enabling fast deployment and flexible network construction .
- ### 3. Operational Efficiency:
- o Digitalized ODN allows carriers to reduce deployment costs, improve resource management, and enhance operational efficiency, particularly in low-density access scenarios .



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Summary

The upgraded ODN product customization combines SAP administrative configuration for official document tracking with technical deployment enhancements for optical networks. By defining ODN types, number ranges, and subobjects in SAP, and implementing digitalized, intelligent ODN modules, organizations can achieve compliance, efficient fiber deployment, and streamlined network management. This integrated approach ensures both regulatory adherence and operational optimization for broadcast transmission networks.

You, as the key user, can use the FI-CA: Change ODN Document Class Business Add-In (BAdI) to change the document class used

The present document describes the system structure of the digitalized quick ODN and the general requirement of pre-connectorized

Discover how to configure official document numbering (ODN) in SAP S/4HANA Cloud, including its features, applications, and

The Light ODN solution accurately plans the ODN network. With the pre-connectorized products, light-weight construction of ODN,

Using sub objects, the system can generate official document numbers at the supplier level. This helps you meet the requirement of

Create a custom official document number type to configure official document numbers that can be manually maintained by the end

The residential optical distribution network (ODN) is the final connection between telecom

The Light ODN includes the Feb (Fiber Efficient Box) series products, and intelligent functions. It intelligently identifies and

Official document numbering (ODN) in SAP S/4 HANA Cloud This blog provides a process to be followed to configure

This document describes the basic concepts, technical advantages, and principles of on-demand next hop (ODN), as

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Technical breakdown of ODN layers, components, optical paths, loss budgets, and deployment principles.

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