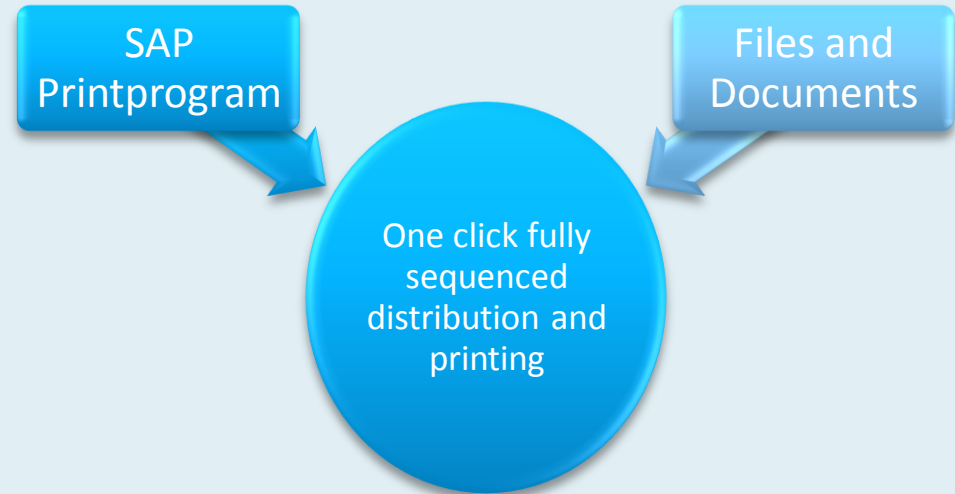




Time for heroes



## SAP FULLY SEQUENCED OUTPUT • FORMS AND ATTACHMENTS PROCESS INTEGRATED DOCUMENT DISTRIBUTION

[Solution](#) • [Facts](#) • [Technology](#) • [Benefits](#) • [FAQ](#)

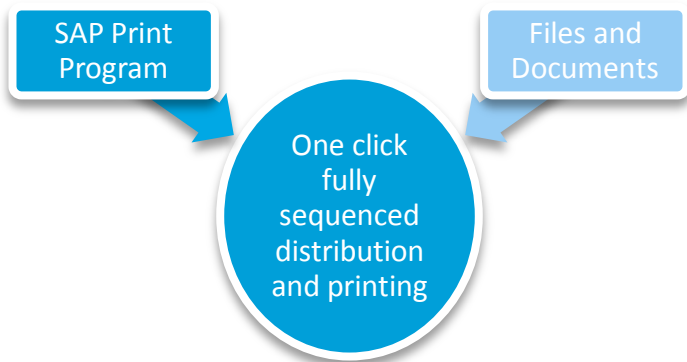
**SAP Output – Forms and attachments**

Print programs for SAP controlled business processes creates forms and lists.  
 Many users require a complete package of papers, including the SAPscript form and other documents which are stored as files in SAP or any other DMS .  
 These users also require this to happen with one mouse click without any additional sorting or selecting efforts.  
 By making this possible, SEAL Systems solution ensures that the overall process for the creation and distribution of shop papers for a business process are fast and accurate.

**Target Group**

- This solution is particularly relevant to:
- SAP implementation partners
  - SAP solution architects
  - SAP consultants
  - Managers of the business processes
  - Anyone who wants to optimize the enterprise business processes

**The Principle**

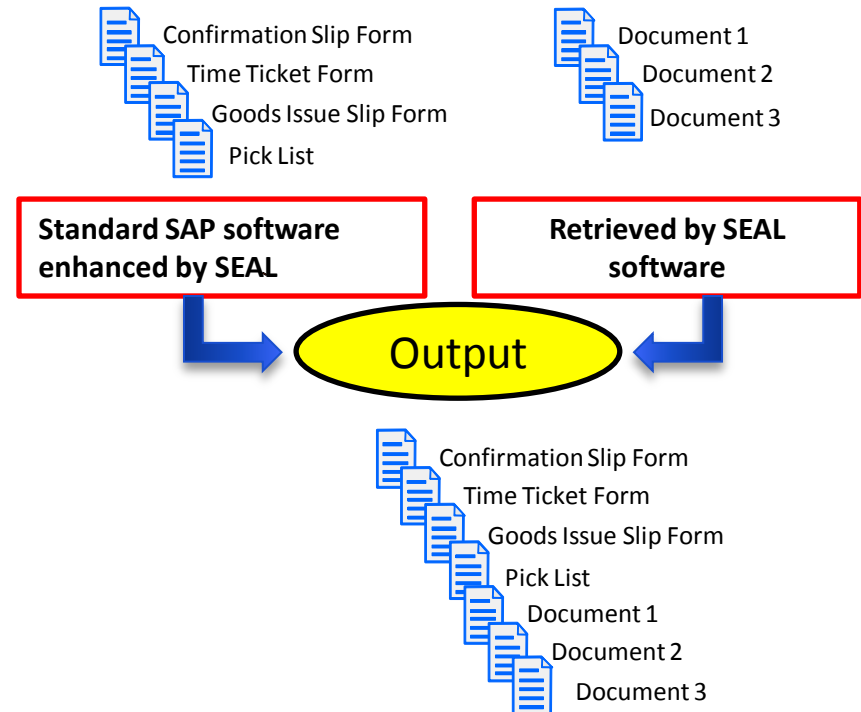


**Examples**

- Production orders with instructions and drawings
- Purchase orders with delivery instructions, terms & conditions
- Requests For Quotation with technical drawings, product specifications, terms & conditions
- Invoices with statutory documents
- Maintenance orders with full work packages
- Delivery instructions with testing certificates

**Merging Forms and Attachments**

Example Production Order



## Two methods for document search:

There are two alternatives to find the right documents and get them into the output process:

1. Customer / project specific development
2. Best practice transaction for document collection from SEAL Systems: **SEAL Document Collector (SDC)**

Both solutions can be combined with the output alternatives Composite Spool Request (CSR) / External Document Converter (BC-XDC) or output management.

SEAL's document collection solution saves development & implementation time and is flexible enough to operate under changing circumstances.

Search Documents and create output jobs	SEAL output management	SEAL BC-XDC Server
<b>Collection transaction (SDC)</b>	✓	✓
<b>Customer specific development</b>	✓	✓

## Two methods for document output:

There are two different solution architectures giving the same result – combining documents and print program forms to make them printable:

1. SAP CSR plus SEAL conversion server for the BC-XDC interface. Output is done via the SAP spooler.
2. PLOSSYS output management from SEAL Systems with integrated document and forms output.

## SEAL Systems document collectors are available for:

Billing Document
Bill of material
Change number
Document hierarchy
Document sub assembly
Functional location
Generic processing
IBASE
Material document
Outbound delivery
Purchase order
Request for quote
Purchase requisition
Sales order
WBS BOM
Process order
Plant maintenance
Production order
Network
Quality notification

## Advantages / Benefits

- ☐ **Time savings** in repetitive processes for document distribution :
  - ✓ *Automated searching and sorting activities.*
  - ✓ *Separate printing of documents for the business processes is not needed anymore.*
- ☐ **Improved quality** by automated document collection processes
- ☐ **Electronic distribution** replaces paper output and mail
- ☐ **ROI in less than 12 month** is the typical experience of our customers

**Benefits of BC-XDC**

CSR/BC-XDC print routines use the existing SAP spool infrastructure. The additional work to be done is the implementation and maintenance of a separate conversion server.

A BC-XDC based solution is often more attractive from the perspective of total cost of ownership.

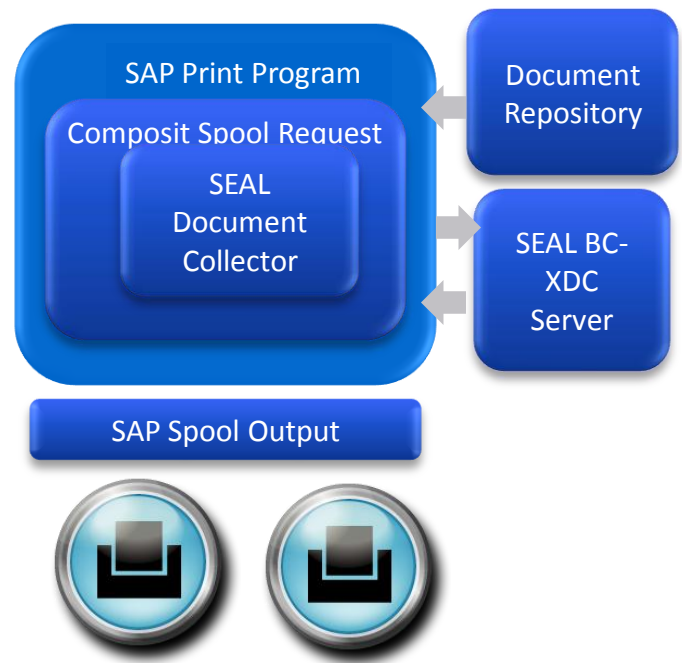
BC-XDC is not ideal for situations requiring either high performance and/or large quantities of documents. This is because documents are stored in distributed content servers so the transfer of process files will always go through the SAP application server.

**Benefits of Output Management**

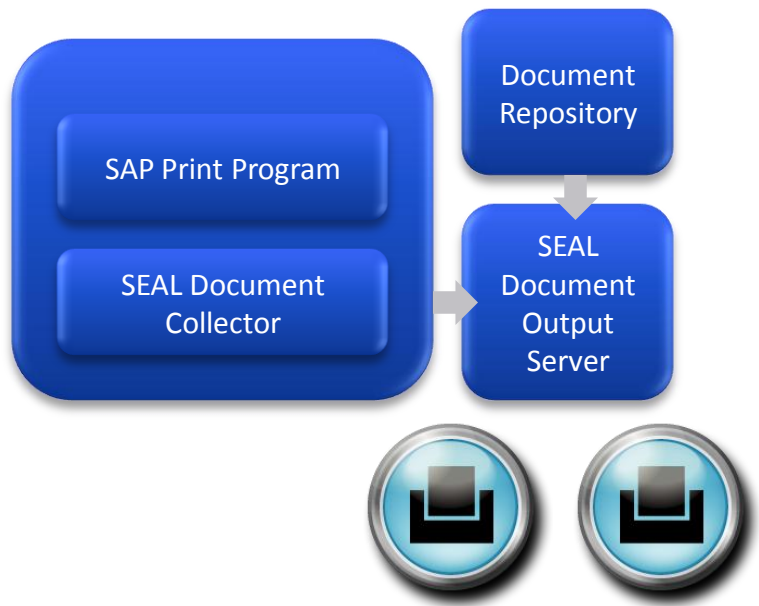
A separate output management server is the better alternative if the business requires:

- Additional stamps and watermarks for document control
- Direct printing from SAP DMS or SAP PLM
- The output management server to be used for other output purposes as well (SAP spool output, Windows printing, ...)
- High volume output
- Documents storage in distributed content servers
- Electronic output such as print to mail or print to file

**BC-XDC architecture and processes**



**Output Management architecture and processes**



## SEAL Document Collector : Automatic identification and collection of objects and documents

Order Parameter	
Job Number	<input type="text"/>
Documents of the Order	<input type="checkbox"/>
PRT (Documents)	<input type="checkbox"/>
Get Document for PRT	<input type="checkbox"/>
Operation	<input type="text"/>

Header Data: Object Links to ...	
FunctLocCategory	<input type="checkbox"/>
Equipment category	<input type="checkbox"/>
Material Type	<input type="text"/>
Notification type	<input type="checkbox"/>

Object List: Object Links to ...	
FunctLocCategory	<input type="checkbox"/>
Equipment category	<input type="checkbox"/>
Material Type	<input type="text"/>
Notification type	<input type="checkbox"/>

Notification: Object Links to ...	
Only for Notification Type	<input type="checkbox"/>

Component Parameter	
Explosion Level	<input type="checkbox"/>
Documents for Components	<input type="checkbox"/>
Get Doc. for Compon. BOM Head	<input type="checkbox"/>
Get Document for Object	<input type="checkbox"/>
Get Document for Position	<input type="checkbox"/>
Get Document for BOM Header	<input type="checkbox"/>
Position is Document	<input type="checkbox"/>
Only Phantom Assemblies	<input type="checkbox"/>

Example Maintenance Order

### All important file and application formats are supported

#### File Formats

- TIFF, PDF, CGM, HPGL, TXT

#### Office Formats

- Word, Excel, Powerpoint, Visio, Outlook, MS-Project

#### CAD Formats

- AutoCAD, UG, Pro/E, SoWo, SolidEdge, SolidDesigner, ME10, Catia, Inventor, Microstation

### Repositories

The SEAL Systems documents collectors SDC support different document repository types:

- **SAP DMS with KPRO** and content server
- distributed content server/**cache server**
- **Generic Object Services** with ArchiveLink
- **DMS** solutions of 3rd parties if an object link to SAP DMS is available
- **SAP Records Management**

Document Restrictions	
Document Type	<input type="checkbox"/>
Document Part	<input type="checkbox"/>
Document Status	<input type="checkbox"/>
Released Documents Only	<input type="checkbox"/>
Remove Duplicates	<input type="checkbox"/>

Latest Version Only

### Output Parameter

Output Job	
Preview	<input type="checkbox"/>
Create Output Job	<input checked="" type="radio"/>
Change Output Job	<input type="radio"/>
Job Type	<input type="text"/>
Job Number	<input type="text"/>
Job Description	<input type="text"/>
Default User	<input type="text"/>
Reference Job	<input type="text"/>
Delta Processing Off	<input checked="" type="radio"/>
Delta Output	<input type="radio"/>
Released	<input type="checkbox"/>
Latest Job Number	<input type="checkbox"/>
Delta Mark	<input type="radio"/>
Display Output Job	<input checked="" type="radio"/>
No Dialog	<input type="radio"/>
Display Document List	<input type="radio"/>
Print at Once	<input type="checkbox"/>

Links

SEAL Systems

[Process printing with PLOSSYS netdome for SAP](#)

[Document Conversions Suite for BC-XDC](#)



SAP EcoHub

[Document Conversions Suite for BC-XDC](#)

[Process printing with PLOSSYS netdome](#)



CaseStudies

[Maintenance Orders at Mercedes Benz USA](#)

[Final Documentation at FMC](#)

[Purchase orders with attachments at Kurtz Holding](#)

[Invoices with attachments at PAUL HARTMANN](#)

[Production Orders at HSM Pressen](#)



System Requirements

- SAP Release: 4.7 and later
- Server: Windows, Linux, Unix.  
If Microsoft Office formats are required as input formats, Microsoft Windows is mandatory.
- Virtual servers are supported.
- For the support of application formats like Microsoft Office formats or CAD application formats, a license of the original application has to be provided on the output or conversion server.

FAQ

Q: Do I need to change my SAP print programs?  
A: Yes, the document collection process has to be integrated.  
The modification is documented

Q: Do you have any documentation on how to implement composite spool requests and BC-XDC conversion?  
A: Please see at OSS Note 810025

Q: Is it possible to paste pictures directly into production orders?  
A: Yes

Q: Is it possible to look at the list of the collected documents and to modify it before printing?  
A: Yes, through customizing it is possible to view and edit the document list with the document distribution director.

Q: Are only documents collectable which are managed with SAP DMS?  
A: No, documents which are attached through the generic object services (GOS) are also selectable.

Q: Do you use the SAP print controls (e.g. OPK8, OIDx)?  
A: Yes

Investment protection by certification

**SAP Certified**  
Integration with SAP NetWeaver  
The SEAL Systems BC-XDC implementation is SAP NetWeaver certified

**SAP Certified**  
Powered by SAP NetWeaver  
The Document Output Management solution PLOSSYS netdome is SAP NetWeaver certified.



SEAL Systems is SAP Partner.

## What should you/we know before you order?

Before purchasing, the following information is helpful:

1. Decide whether the document collectors will come from SEAL Systems or be developed by yourself?
2. Do you use Output Management or CSR/BC-XDC?
3. Which business processes have to be supported?
4. Which document formats have to be printed/distributed?
5. Which output devices and how have to be supported?
6. How many SAP users do you have?

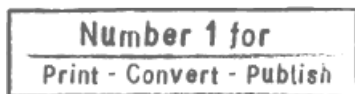
## About SEAL Systems

SEAL Systems is No. 1 in the world for Printing, Conversion and Publishing:

- 100 Employees
- 11 Mio€ turnover
- Offices in Germany, Australia, USA, France
- Partners all over the world
- More than 1000 installations in 40 countries
- More than 750 installations with SAP context
- 25 years of experience

## Contact

SEAL Systems Inc.	<a href="http://www.sealsystems.com">www.sealsystems.com</a>
SEAL Systems Pty. Ltd.	<a href="http://www.sealsystems.com.au">www.sealsystems.com.au</a>
SEAL Systems AG	<a href="http://www.sealsystems.de">www.sealsystems.de</a>
SEAL Systems Sarl	<a href="http://www.sealsystems.fr">www.sealsystems.fr</a>



## Room for your ideas