Customer Specified Placement & LPAR Delivery

A Better Idea – *What, Why & How*

This presentation intended for all users except US Business Partners and Distributors submitting orders through the B2B or Partner Commerce Server ordering path

Dual Submit

Customer Specified Placement (CSP) & LPAR Delivery - Agenda

- *What is it?*

- *What does IBM offer?*

- *What are the benefits?*

What is it?

Customer Specified Placement (**CSP**)

- *Specifically tailored hardware configurations built and delivered by IBM to accommodate unique customer requirements.*

- *Designed to permit specification of individual DASD and I/O adapter placement within the drawer/tower.*

Customer Specified Rack Placement (**CSRP**)

- *Designed to allow customer definition of component position in the rack.*

Logical Partitioning (LPAR)

- *Micro-Partitioning™ (Dynamic Logical Partitioning, LPAR) allows the partitioning of a single server into several completely independent virtual servers or logical partitions.*

- *Clients are taking advantage of LPAR to simplify operations and reduce cost by consolidating multiple single-application servers into a single server.*

The Challenge Today

What does IBM offer?

On System i5 - Up To:

- **254 partitions**
- **72 I/O drawers/towers**
- **2700 internal disk drives**
- **840 I/O adapters**

On System p5 - Up To:

- **254 partitions**
- **12 I/O drawers**
- **192 internal disk drives**
- **240 I/O adapters**

Partitioning Technology has outpaced IBM Planning, Ordering, Delivery and Implementation tools and processes

Problem: How does IBM Deliver systems with all of these components defined placed to meet our Customer's expectations?

The traditional approach

Best Practices

- **IBM will determine an optimum placement of all known devices within an order at no additional charge to the customer**

- **Based on Performance of a Single Partition System**

- **eConfig diagram does not flow to manufacturing**

Now, IBM provides flexibility

Best Practices - OR -

The Customer can define placement

- **The customer may request specific placement of I/O adapters and/or disk drives in certain locations.**

- **The customer may also request specific placement of components within a certain rack.**

- **IBM will provide such placement at the time the order is built.**

- **eConfig diagram now flows to manufacturing enabling customer definition to be built when CSP is selected.**

IBM offers exact build-to-order capabilities that respond to customer specifications.

Placement in IBM Manufacturing Offerings- Details

Offer exact build-to-order capabilities that respond to customer specifications

Adapter and Disk Placement (New Systems Only)
Specific adapters in specific slots
Specific drives in specific bays

- ✓ Feature 8453
  - ✓ System i5 : 570, 595
  - ✓ System i POWER6 570
  - ✓ System p5 : 575, 590, 595
  - ✓ System p POWER6 MMA

- ✓ Feature 0453 (chargeable feature)
  - ✓ System i5: 550
  - ✓ System p5: 55A, 561, 570
  - ✓ System p POWER6 570

- ✓ Feature 0456 (chargeable feature)
  - ✓ System i5: 520
  - ✓ System i5: 525
  - ✓ System p5: 52A
  - ✓ System p POWER6 520
  - ✓ System p POWER6 550

Component Placement in the Rack (New Systems Only)
Factory integration of system modules and enclosures at defined EIA locations
- ⇨ Rack tipping safety criteria are checked when this option is selected

- ✓ Feature 8469
  - ✓ System i5: 570, 595
  - ✓ System i POWER6 570

- ✓ Feature 0469 (chargeable feature)
  - ✓ System i5: 520, 525, 550
  - ✓ System p racks: 7014 rack support for all 19" wide factory installed products
    24" wide products, p5-575, p5-590 and p5-595 define rack placement via feature code

Partition Definition and OS Preload
- System i5 Offering for 520, 550, 570 595 and POWER 6 570

Manufacturing will define LPAR partitions

- ✓ Feature <u>0454</u> (charge per defined partition)
  - ✓ Define partitions based on Planning Information
  - ✓ Initialization of DASD Protection by partition
  - ✓ Console and alternate console by partition
  - ✓ Can define partitions for i5-OS, AIX, LINUX

Manufacturing will preload selected partitions with OS & LPP's

- ✓ Feature <u>0455</u> (charge per preloaded partition)

⇨ Preload AIX and I5/OS Operating Systems (OS) by partition
⇨ Any Licensed Program Product (LPP) currently available for preload in manufacturing for single partition machines is now available for preload by partition
⇨ Up to 20 partitions on the 595
⇨ Up to 10 partitions on the 520, 525, 550, 570, and POWER6 570
⇨ The SPT provides definition

Benefits:
- ✓ Productivity → Saves implementation time
- ✓ Customer Satisfaction → Preload extended to partitioned systems

Flexibility Provided by CSP/CSRP/LPAR (*New Systems Only*)
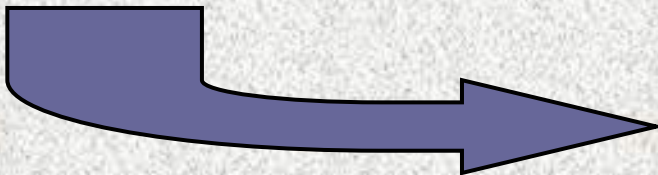
- **Implementation**
  - ☐ Plan for placement
  - ☐ Configure your system using eConfig
    - Indicate feature code "0453/0456/8453" for CSP; feature code "0469/8469" for CSRP
    - **The eConfig drag and drop diagram interface can be used to initiate orders requesting hardware placement**
    - **If the SPT is used for planning, you should export your data to eConfig to ensure placement data is preserved**
    - Submit your order to IBM through your normal process -**AND** -
  - ☐ Send the CFReport definition to IBM Manufacturing via the CSP website
    - http://www.ibm.com/servers/eserver/power/csp/
  - ☐ IBM Manufacturing will use the CFReport placement definition to custom build the system
  - ☐ Published availability is maintained for placement in manufacturing
  - ☐ **The system will arrive as the customer specified**

Benefits

- **Customers get the systems they ordered!**
  - ☐ Systems come configured to the customer's specifications
  - ☐ DASD protection by partition initialized
  - ☐ Systems are up and running faster
- **Customer personnel and Service personnel no longer have to rebuild the system**
- **Space in customer's location is no longer required to rebuild the system**
- **Quality is improved as components are not exposed to handling damage**
- **Customers know that their configuration will work before they try it**
  - ☐ This offering uses existing configuration and validation processes
  - ☐ System tested in manufacturing is not changed at installation
- **Improved Risk Management for Customer and Account Team**
- **You can still select "Best Practices"**

- **Lower Cost to Implement**
- **Saves Time**
- **Higher Quality**
- **Improved Customer Satisfaction**
- **Reduced Implementation Risk**

Customer Feedback

■ **Office Depot installed two large i5-595 systems with CSP in 1Q05**

Susan Yoskin, Sales Specialist

" I think it was a wonderful service. Office Depot has an enormous amount of LPAR systems, and I would say this saved days of work, as well as CE installation costs. "

⇨ **Saved installation time**
⇨ **Reduced installation cost**
  ✓ **Customer Personnel**
  ✓ **IBM Personnel**
⇨ **Improved Customer Satisfaction**
⇨ **Improved Quality**

Customer Feedback

- **The CSP process was used to configure several 9118-575's for a customer's DB2 Data Warehouse following the BCU standard.**

  Johnnye Tamaru, AIX Specialist, Field Technical Sales Support

  "The DB2 BCU standard is very stringent in the type, number and placement of adapters. By using the CSP process, we eliminated several hours of CE time needed to re-position the adapters to obtain correct placement along with the accompanying increased risk of equipment breakage. The CSP-based system reduced the on-site activities required to have a system working to an exact specification."

  ⇨ **Saved installation time and cost**
  ⇨ **Eliminated risk of equipment breakage**
  ⇨ **System delivered to exact specification**
  ⇨ **Improved Customer Satisfaction**
  ⇨ **Improved Quality**

How do I order Placement?

- **Preparation**
  - ☐ **This is exactly the level of planning you perform today**

- **Considerations**
  - ☐ **Manufacturing time for placement supports published availability**
  - ☐ **SSR customizing service as alternative to CSP is billable for these systems**

- **Order Planning and Preparation**
  - ☐ **Review CSP & LPAR Delivery Planning Guide**
  Available on the CSP & LPAR Delivery website
  http://www.ibm.com/servers/eserver/power/csp/

Provide Placement Information

- **Submit your order to IBM**

- **Receive <u>order numbers</u> that are referenced by the CFReport**

- **Go to the CSP & LPAR Delivery website**

- **Complete the Order Completion Form**
  - A PartnerWorld ID is required for authentication

- **Submit the Order Completion Form to IBM**
  - This form is **<u>required</u>** for IBM to **<u>start processing</u>** the order
  - ⇨ **It is critical that the submission be completed as soon as the order information is known to achieve published availability**

Complete my Order

US Business Partners and Distributors omit this step

→ Submit my placement information to IBM – Dual Submit Process

Ordering CSP/LPAR – Detailed Ordering Instructions

First Order | **Subsequent Orders**

The Big Picture

Start Here
CSP/LPAR
Delivery
Home Page

SPT

Partner World ID → Planning Guide → eConfig

CFReport → Submit Order ★ → Return Assigned Plant Order Numbers

CFReport → Order Completion Form ★ → Match Features → Customized System Build with Customer Specified Placement

Avoid this!

★ **Dual Submit**
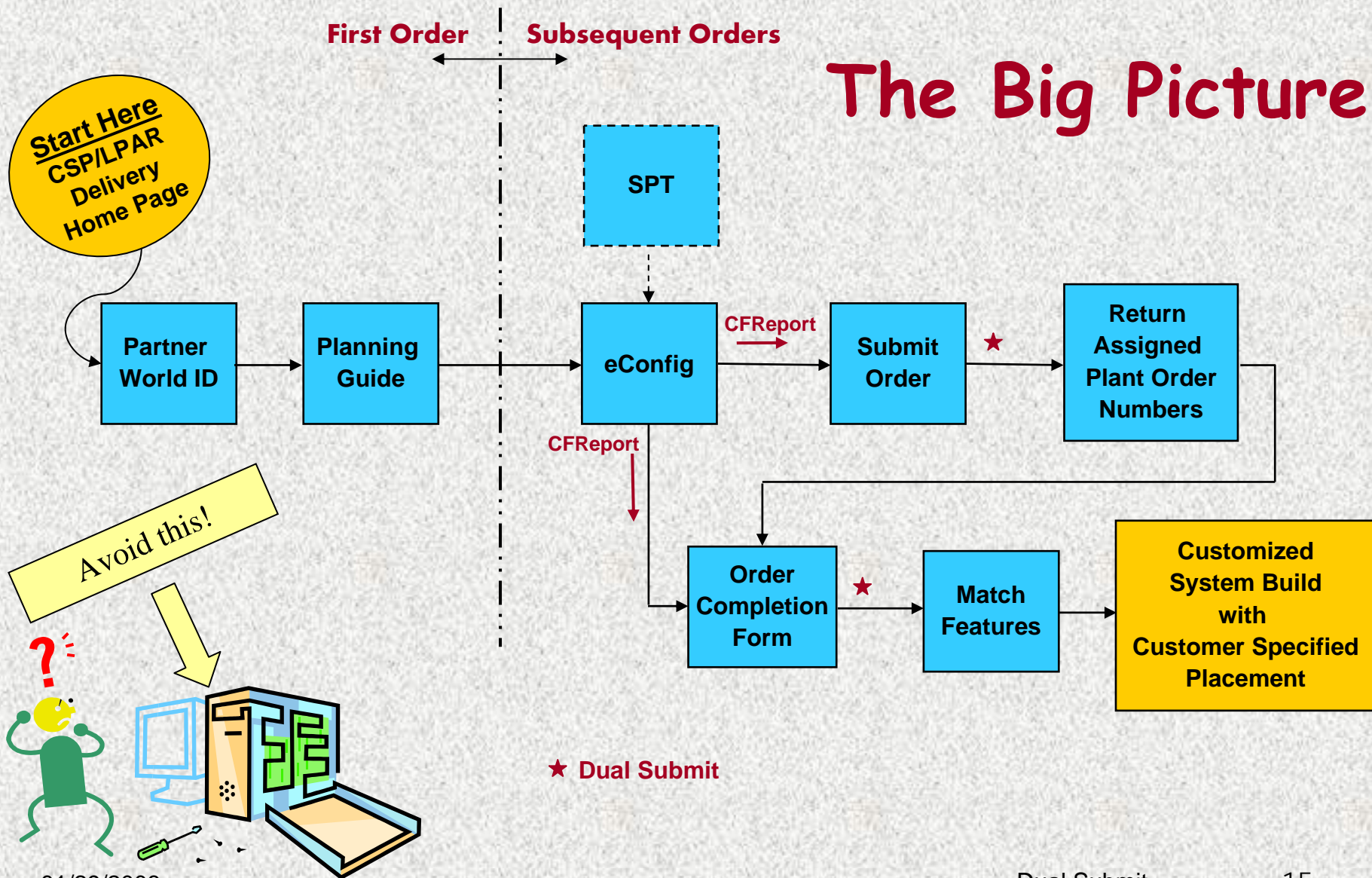
Start Here (First Time User) - CSP & LPAR Delivery Home Page

http://www.ibm.com/servers/eserver/power/csp/

Steps to Success

IBM®

I want to get started!

Steps to success with this process:

US Business Partners and Distributors submitting orders through the B2B or Partner Commerce Server ordering path - follow Steps 1 through 3 (Single Submit process)
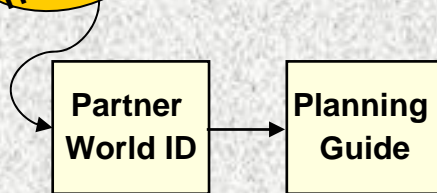
All Other Customers - follow steps 1 through 6 (Dual Submit process)

1. Establish your customer's placement requirements for their new server. Use the <u>CSP and LPAR Planning Guide</u> (📄 409KB) to define your plans.
2. Design and establish your placement requirements and create your proposed system using:
   a. <u>SPT</u> for planning and <u>eConfig</u> for order creation
      Or
   b. <u>eConfig</u> to define both placement and order creation. This assumes you have completed placement planning prior to use of eConfig.
   c. Final planning and design of your system must be completed prior to ordering the server.
3. Submit your order to IBM

   (US Business Partners and Distributors end here)

4. Record the IBM plant order numbers that are assigned and returned to you.
5. Enter this information into the <u>LPAR/CSP Order Completion Form</u>
   - Authentication using an IBM Partner World ID (<u>Registration for Partner World</u>) is required to submit this form
   - The eConfig created _.cfr output file (CFReport) must be attached to the LPAR/CSP Order Completion Form.
   - Do not attach the SPT created _.cfr file to the Order Completion Form. Only the eConfig created and validated _.cfr file contains the required placement information.
6. Submit the Order Completion Form
   - If you change the order, the placement or LPAR design, you may be required to resubmit both the order and the CFReport (_.cfr). This insures correct placement definitions are provided to IBM manufacturing. **The marketing configurator (eConfig) output and your order must be kept synchronized.**

Start Here
CSP/LPAR Delivery Home Page

```
Partner World ID  →  Planning Guide
```

➢A Partner World ID is required to submit your information to IBM through the Order Completion page.

➢Activation of this ID can take 1 to 4 business days.

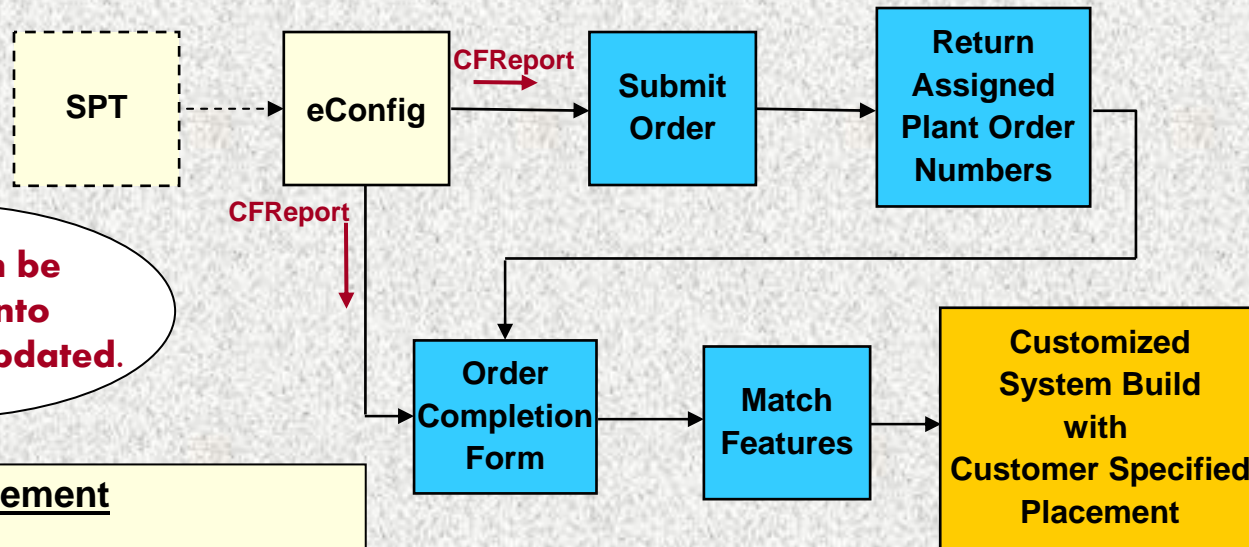➢Please plan ahead and request this ID prior to submitting your first Customer Specified Placement request.

➢This planning guide presents and discusses the critical requirements, decisions, and process steps needed to successfully deliver this capability to your customer.

➢Please read and follow the directions discussed in this guide

Sign in

Please enter your IBM ID and Password in the sign in area below. If you are not currently registered with our site please register now.

IBM ID: [   ]

Password: [   ]

➡ Submit

Start Here to Place Order

SPT ┄┄➤ **eConfig** ──**CFReport**──➤ **Submit Order** ───➤ **Return Assigned Plant Order Numbers**

CFReport ↓

LVT files can be uploaded into the SPT to be updated.

Order Completion Form ───➤ **Match Features** ───➤ **Customized System Build with Customer Specified Placement**

➢**Define placement**

➢**The Sales/Marketing Configurator (eConfig) enables modification of adapter and disk placement and must be used to define enclosure in rack placement.**

➢**The SPT provides detailed LPAR Planning assistance and should be used to establish your partitioning and placement definitions**

➢**All placement definition is validated by eConfig**

➢**Configure your system using eConfig. Indicate feature code "0453/0456/8453" for CSP; feature code "0469/8469" for CSRP**

➢**Placement and partition planning information should be imported from the SPT directly into eConfig except for Newsys orders (SPT does not directly support custom placement for Newsys orders).**

➢**Placement information can be modified using the 'drag and drop' interface on the eConfig diagram.**

Bridging from the SPT to eConfig
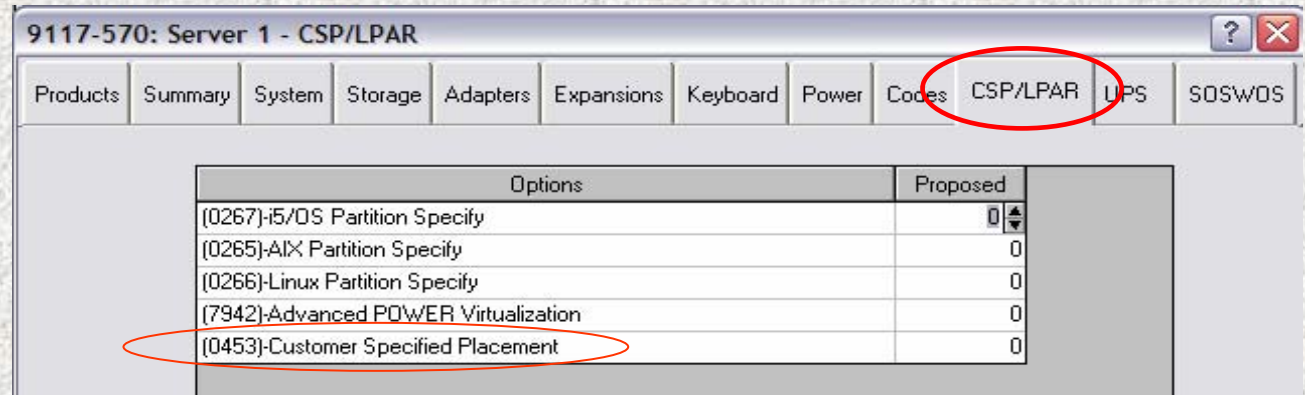
Dual Submit   20

Selecting CSP & CSRP

CSP/LPAR Tab in eConfig

Select, Define, and Order:
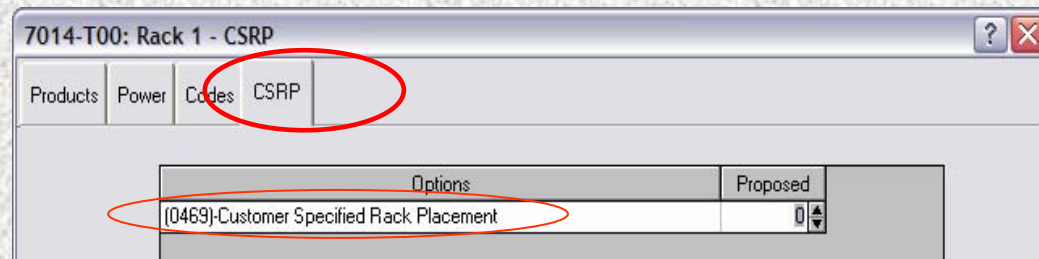   **CSP – system i &**
        system p servers

Partition Initialization –
system i servers

Partition Preload –
system i servers

CSRP Tab in eConfig

Select, Define, and Order:
   CSRP – system i
   CSRP - system p in 7014
rack models

9117-570: Server 1 - CSP/LPAR

Products	Summary	System	Storage	Adapters	Expansions	Keyboard	Power	Codes	CSP/LPAR	UPS	SOSWOS

Options	Proposed
(0267)-i5/OS Partition Specify	0
(0265)-AIX Partition Specify	0
(0266)-Linux Partition Specify	0
(7942)-Advanced POWER Virtualization	0
(0453)-Customer Specified Placement	0

7014-T00: Rack 1 - CSRP

Products	Power	Codes	CSRP

Options	Proposed
(0469)-Customer Specified Rack Placement	0

Adding Hardware to the Placement View

The area in yellow depicts
A "drag & drop" operation
In progress.

NewSys Orders,System I only

■ *SPT does not directly support custom placement in a NewSys order.*

■ *There are two ways to facilitate custom placement for a NewSys order.*

■ For both methods:
Import an existing CFReport for the upgrade and then select NewSys on Products page of the server wizard:

NewSys cont.

- On CSP/LPAR page, select CSP feature (0453, 0456, 8453, etc.).

- -There is a check box below the options stating:
  Do you plan to submit a separate SPT originated CFReport to the CSP Web Repository.

- **Please read the information in the box directly below this check box option carefully as it contains information on two ways to facilitate custom placement for a NewSys order.**

Information included in eConfig text box about NewSys orders:

SPT does not directly support custom placement in a NewSys order. There are two ways to facilitate custom placement for a NewSys order.
If you have any questions about this process use the "Contact Us" link in the CSP Website.

1. <u>**Do not check the above check box**</u> *and perform all the custom placement in this current configuration using custom placement view (drag and drop method) and submit the CFReport generated from this session for order processing . Submit the .cfr file to IBM via the csp website if using dual submit process, the custom placement information will automatically be sent with the order when using the single submit process. (Currently the single submit process is only available to US Business Partners and Distributors).*

2. <u>**Check the above check box**</u> *and use the CFReport from this current configuration for the standard ordering purposes, but <u>do not submit</u> this CFReport via the CSP website as it will not have the custom placement information.*
Create a new (independent) CFReport by following these steps:
a) perform custom placement in SPT
b) export CFReport from SPT
c) restore the SPT CFReport in eConfig as an <u>initial order</u> and address any errors
d) ensure the hardware of the NewSys order matches the hardware from this current configuration
e) if using dual submit process, submit the eConfig generated CFReport via the CSP website -- but do not forward this CFReport for order processing .
      OR
f) if using single submit process, your will receive an email with instructions on submitting this CFReport.

Specifying Drawer in Rack Placement

Rack placement view

➢**Enables drag & drop placement of drawers in racks**

➢**The highlighted drawer and cursor icon in the figure depicts a "drag & drop" operation in progress**
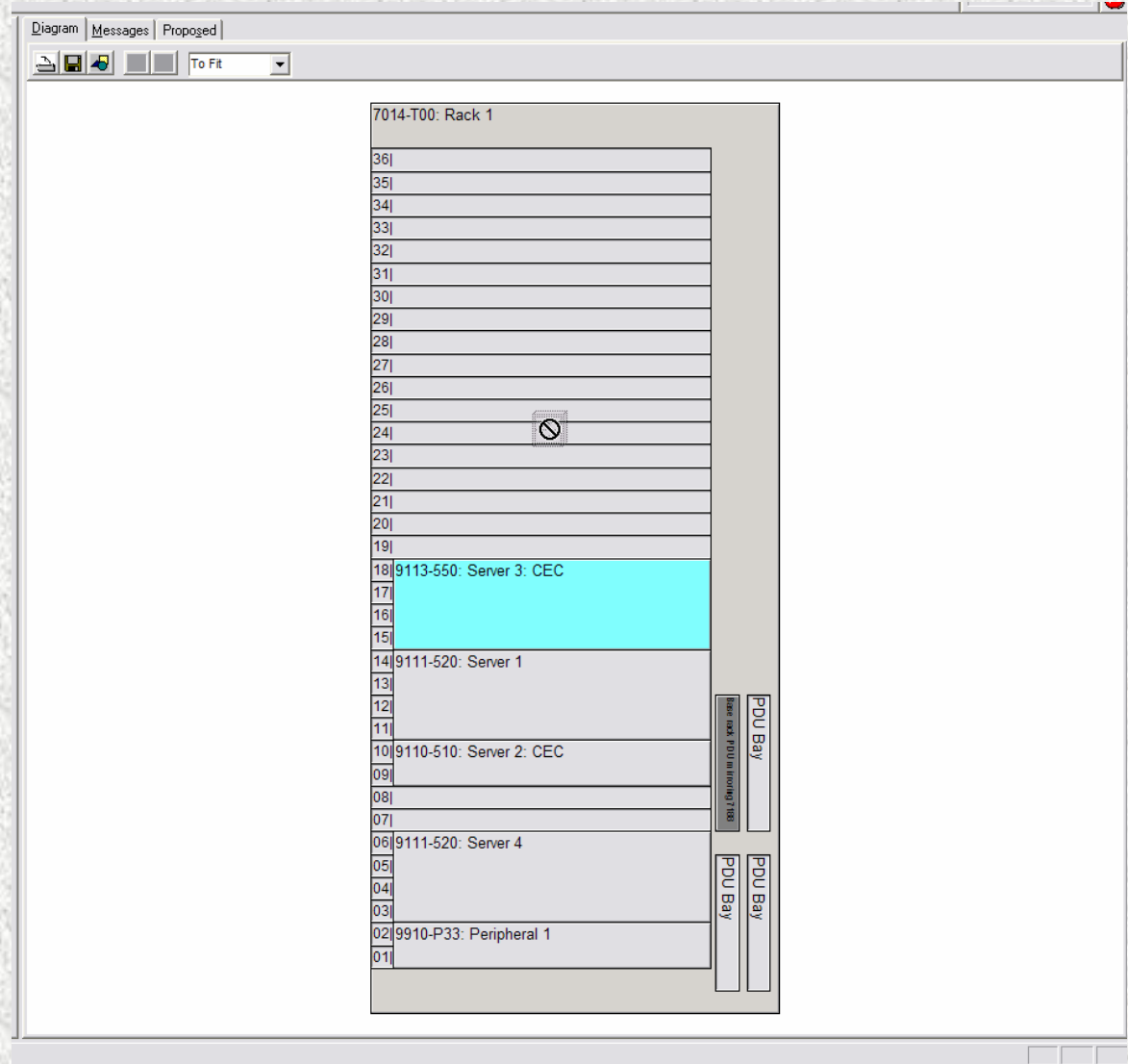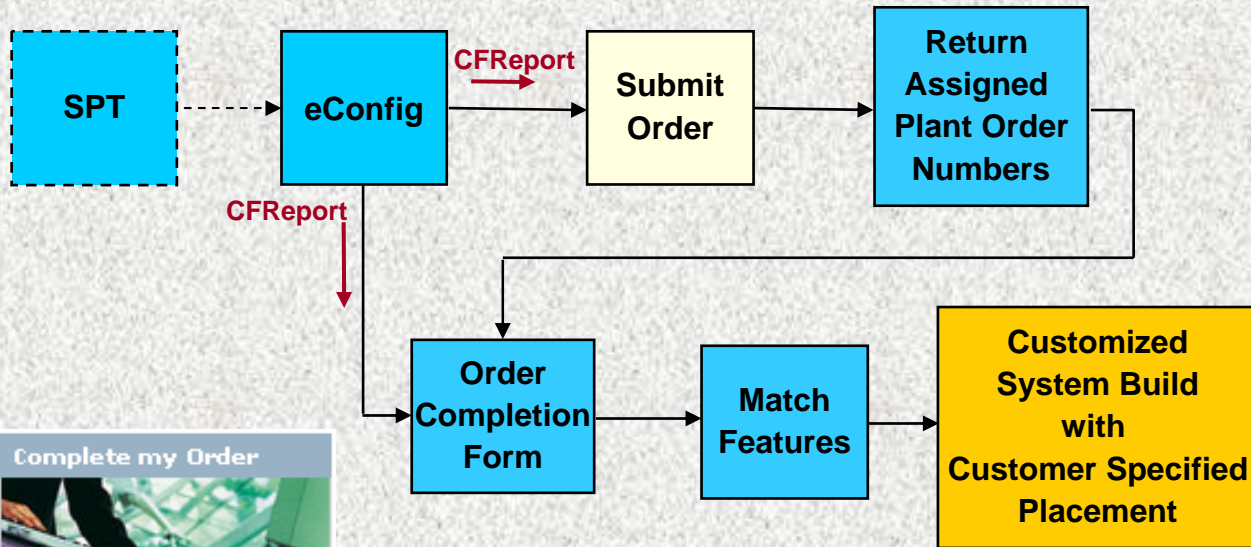
SPT - - - -> **eConfig** --**CFReport**--> **Submit Order** ---> **Return Assigned Plant Order Numbers**

CFReport (from eConfig down to Order Completion Form)

Order Completion Form ---> **Match Features** ---> **Customized System Build with Customer Specified Placement**

Complete my Order

US Business Partners and Distributors omit this step

→ Submit my placement information to IBM - Dual Submit Process

➢**Create and submit the order through the IBM order process.**

➢**The Order Information is required input data for the Order Completion Form.**

SPT

eConfig

CFReport

Submit Order

Return Assigned Plant Order Numbers
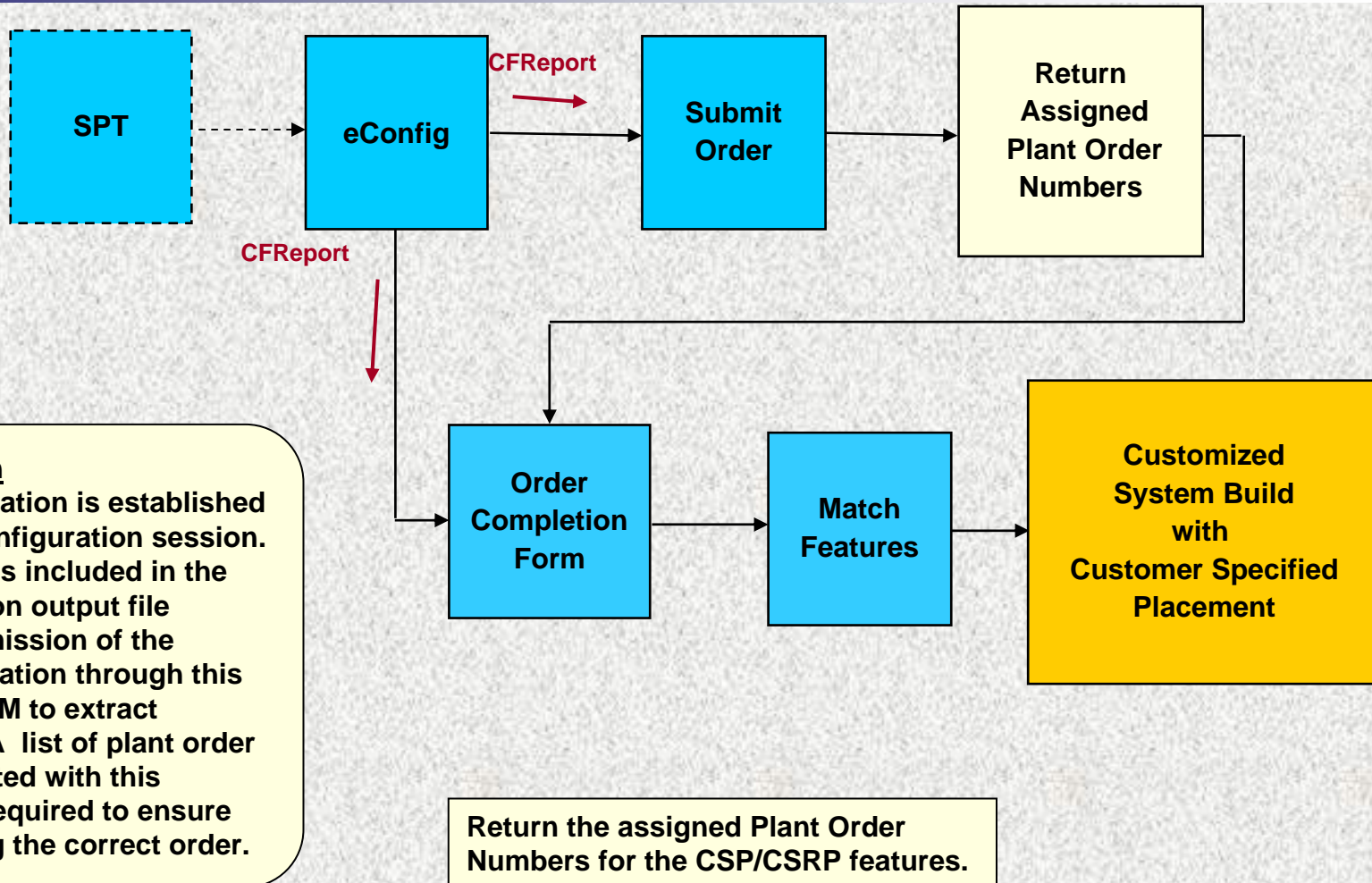
CFReport

Order Information
Placement information is established during a sales configuration session. This information is included in the sales configuration output file (CFReport). Submission of the placement information through this website allows IBM to extract placement data. A list of plant order numbers associated with this CFReport file is required to ensure IBM is processing the correct order.

Order Completion Form

Match Features

Customized System Build with Customer Specified Placement

Return the assigned Plant Order Numbers for the CSP/CSRP features.

IBM PRODUCTS SUPPORTED

CSP	MTM	Feature
System i, POWER5 supported servers	9406-595	8453
	9406-570	8453
	9406-550	0453
	9406-525	0456
	9406-520	0456
System i, POWER6 supported servers	9406-MMA	8453
System p, POWER5 supported servers	9119-595	8453
	9119-590	8453
	9118-575	8453
	9117-570	0453
	9116-561	0453
	9133-55A	0453
	9131-52A	0456
System p, POWER6 supported servers	9117-MMA	0453
	8204-E8A	0456
	8203-E4A	0456
System p, POWER5 & POWER6 supported I/O subsystems	9411-100	8453
	7311-D11	8453
	7311-D20	8453
	7031-D24	8453
	7031-T24	8453

CSRP	MTM	Feature
System i, POWER5 supported servers	9406-595	8469
	9406-570	8469
	9406-550	0469
	9406-525	0469
System i, POWER6 supported servers	9406-MMA	8469
System p, POWER5 & POWER6 supported racks	7014-T42	0469
	7014-T00	0469
	7014-S25	0469
	7014-S11	0469

SPT ⤏ **eConfig** —CFReport→ **Submit Order** → **Return Assigned Plant Order Numbers**

eConfig —CFReport↓ **Order Completion Form** → **Match Features** → **Customized System Build with Customer Specified Placement**
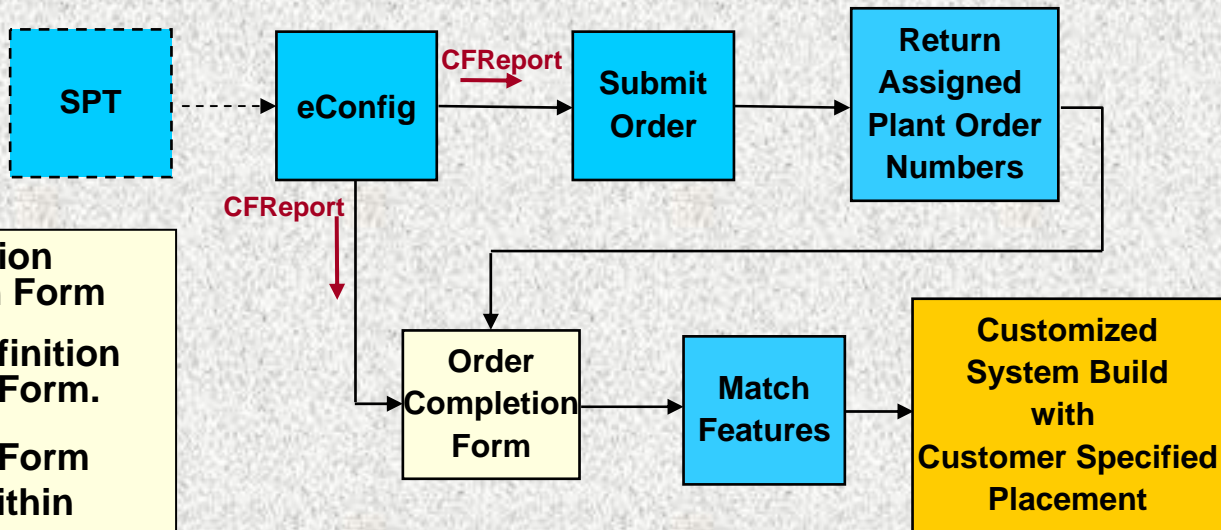
➤**Enter the order information into the Order Completion Form**

➤**Submit the CFReport definition via the Order Completion Form.**

➡ **The Order Completion Form should be submitted within 12 hours of order entry to maintain published availability.**

Complete my Order

**US Business Partners and Distributors omit this step**

→ Submit my placement information to IBM - Dual Submit Process

IBM.

Country/region [select]   Terms of use

PartnerWorld ▾   Search

Home   Products   Services & solutions   Support & downloads   My account

IBM PartnerWorld > Forms and agreements > Forms >

Forms

IBM PartnerWorld²
Marketing
Selling
Technical
Training and certification
Collaboration
Products
Solutions
Services
Industries
IBM strategies
Order and track products

LPAR/CSP Order Completion forms

Note: If you are a US Business Partner or Distributor submitting orders through the B2B or Partner Commerce Server ordering path, you are not required to submit this form.

→ Create a new LPAR/CSP Order Completion form
→ View previously submitted forms
→ View saved draft forms
→ Return to Customer Specified Placement homepage

Order Completion Form – Contact Information

IBM

PartnerWorld ▼   [Search field]   Search

Home | Products | Services & solutions | Support & downloads | My account

IBM PartnerWorld > Forms and agreements > Forms

Forms

IBM PartnerWorld®
Selling resources
Marketing resources
Technical resources and support
Training and certification
Products, services and solutions
Industries
IBM strategies
Order and track products
Events
News
Forms and agreements
· Forms
· Agreements
PartnerWorld membership
Contact PartnerWorld

➢**All** fields indicated with an asterisk (*) are required to complete this transaction.

LPAR/CSP Order Completion form:

The fields indicated with an asterisk (*) are required to complete this transaction; other fields are optional. If you do not want to provide us with the required information, please use the "Back" button on your browser to return to the previous page, or close the window or browser session that is displaying this page.

Return to previous page

Contact information

Representatives to contact to resolve problems or answer questions (i.e. Order Management, Opportunity Owner, Account Rep) Note: The submitter and primary technical contact may be the same person. Both will be on copy for all communications.

	Submitter of this form*	Primary Technical Contact*
Contact name:*		
Location:*		
Phone number:*		
Email:*		

Business Partner name:	
Customer number:*	

Technical IT consultant at customer site to contact for partitioning issues

Contact name:	
Company name:	
Phone number:	
email:	

Order Completion Form – Order Information

Order information

Placement information is established during sales configuration. This placement information is included in a fully validated eConfig sales configurator output file (CFReport). Submission of the placement information through this website allows IBM to extract and use the placement data. A list of plant order numbers associated with this CFReport file is required to insure IBM is applying the placement data to the correct orders.

Any CFReport file created by the System Planning Tool (SPT) should only be used to provide planning information to eConfig. The SPT CFReport has not been validated and consequently, **will not be recognized**.

If you submitted an eConfig generated CFReport file (_.cfr) to create your IBM plant order, the same CFReport must be attached here.

If you submitted an alternative eConfig order format file (e.g., .xml file) to create your IBM plant order, you must attach a CFReport saved from the same eConfig session that was used to create the alternative order format file.

Attach **the eConfig created** Sales Configurator CFReport file (_.cfr) *
Note: SPT generated CFReport files cannot be attached here.

List all IBM plant order numbers that indicate LPAR/CSP placement – 0453, 8453, 0456, 0469 or 8469 feature codes. This list will include server, supporting I/O subsystem and rack orders that are referenced by the attached CFReport file:*

Browse...

Add/Change

Validated CFReport

➢**All** fields indicated with an asterisk (*) are required to complete this transaction.

How Your CSP Order Is Validated

Plant Order With LPAR/CSP/CSRP Feature Received

CFReport Received?

No → Note Sent to BPSO/CSO

Yes

Match?

No → Note Sent to Contact; Copy to BPSO/CSO

Yes

CFReport Correct?

No → Adjust Your CFReport Configuration to Match Your Plant Order

Yes

Alter Plant Order to Match CFReport

Customized System Build With Customer Specified Placement
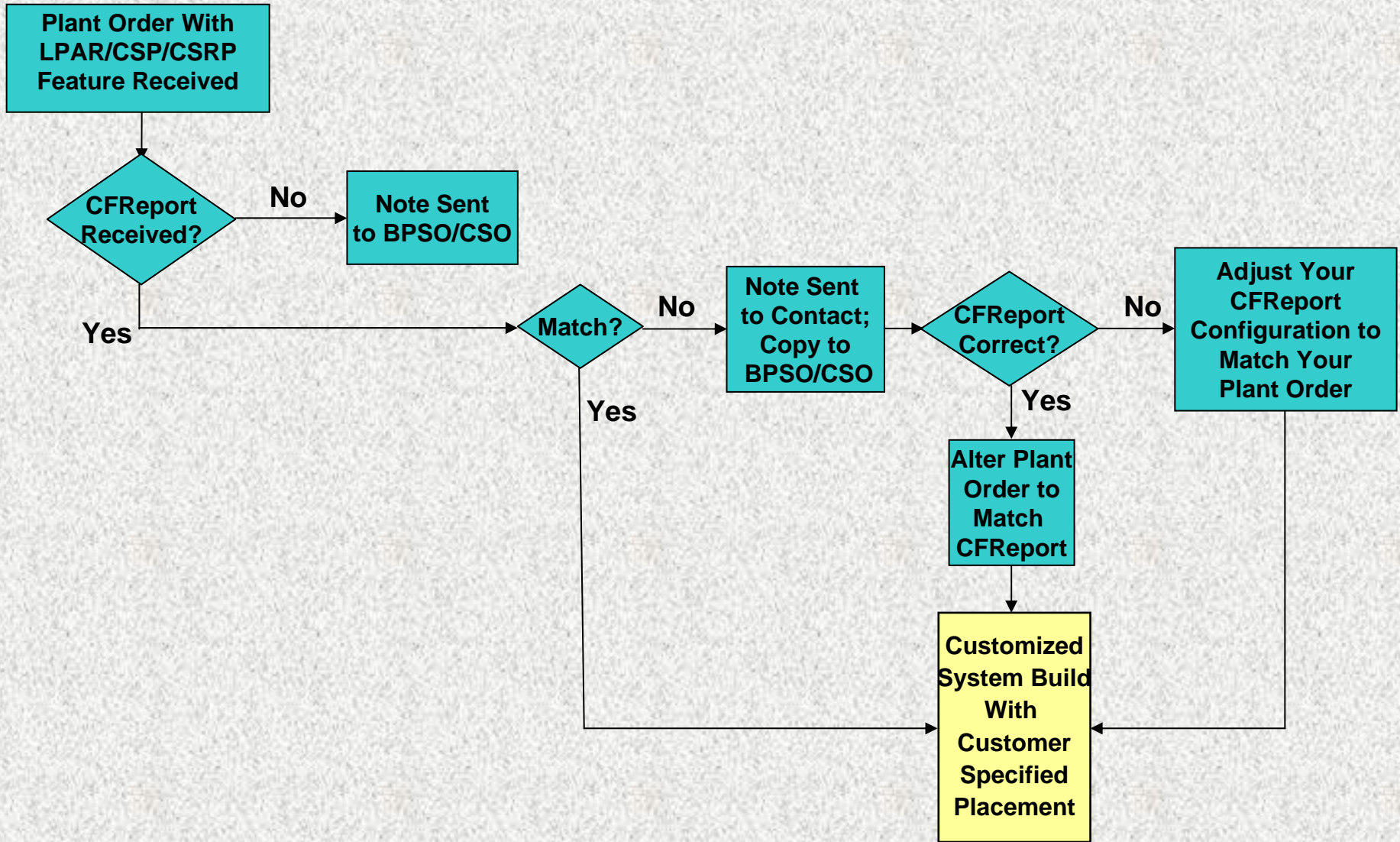
Communication –CFReport Missing

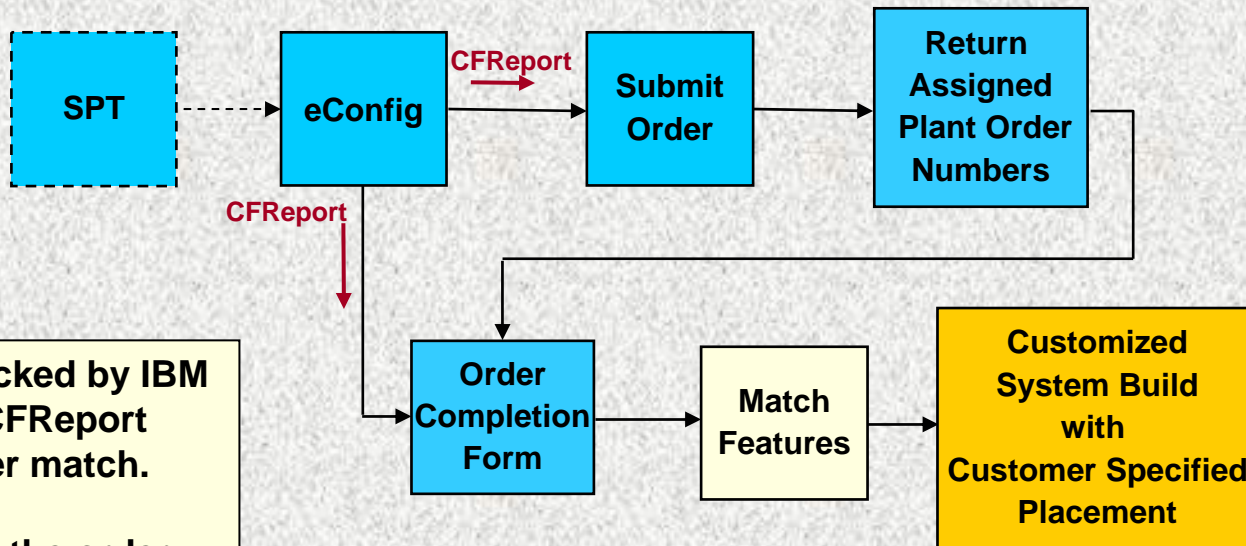**This note will be sent by IBM manufacturing to the IBM Business Partner Support Organization / IBM Customer Support Organization. They will contact the customer representative to request that the CFReport file be submitted.**

Your order # (insert PLORN here) was received and contains one or more of the Customer Specified Placement features (0453/0456/8453, 0469/8469) which requires an eConfig generated CFReport file (_.cfr). We have not received the CFReport file for this order. Please contact the sales rep or business partner for this order and request that the CFReport file be attached to the Order Completion Form found on the CSP website HYPERLINK http://www.ibm.com/servers/eserver/power/csp/ . Please confirm that the file has been submitted by responding to this notice.

Thank you

SPT ┄┄> **eConfig** ──CFReport──> **Submit Order** ──> **Return Assigned Plant Order Numbers**

eConfig ──CFReport──> **Order Completion Form** ──> **Match Features** ──> **Customized System Build with Customer Specified Placement**

> **Your order is checked by IBM to ensure that the CFReport output and the order match.**

> **Changes to either the order or to your plans after order submission require your coordination.**

Changes to existing orders will likely change placement requirements. Mismatched placement and order information, alterations and late planning changes will likely cause your order to be delayed or require cancellation. Ensuring the placement specifications and the order stay synchronized will enable IBM to deliver a quality solution. Synchronization tips and techniques are discussed in the CSP and LPAR Delivery Planning Guide.

Communication – Mismatch of Order and CFReport information

This note is sent to the contact names on the Order Completion Form and a copy is sent to the IBM Business Partner Support Organization / IBM Customer Support Organization

Hello , your **plant** order and the CFReport file were received, however there is a mismatch between your CFReport file and your plant order as listed below.

Plant Order #	
MT/Model	
System #	

Feature or MT/Model	.cfr file qty	Plant Order Qty

If your CFReport file is correct, you will need to have BPSO/CSO alter your plant order to match the CFReport file. Please respond to the analyzer via email (reply with history) if the order is being altered.
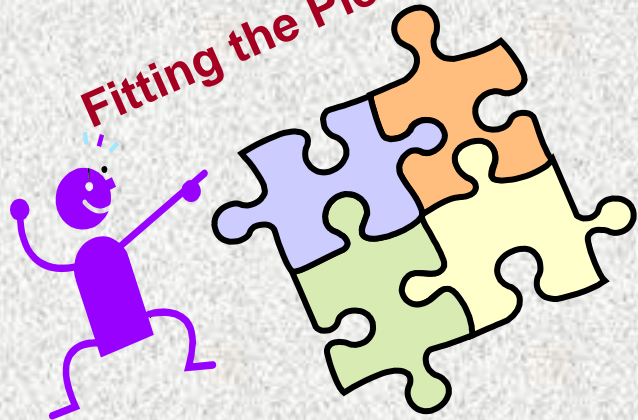
If the plant order is correct you will need to adjust your CFReport configuration to match your plant order. Please attach your new CFReport file and send to the analyzer via email (reply with history) so the CFReport database can be updated with the corrections.

Thank you.

Your Customized System Is Built !

Start Here
CSP/LPAR Delivery Home Page

SPT

Partner World ID → **Planning Guide** → **eConfig** → *CFReport* → **Submit Order** → ★ → **Return Assigned Plant Order Numbers**

CFReport

Fitting the Pieces Together

Order Completion Form → ★ → **Match Features** → **Customized System Build with Customer Specified Placement**

★ **Dual Submit**

The CSP & LPAR Solution !

- **Lower Cost to Implement**
- **Saves Time**
- **Higher Quality**
- **Improved Customer Satisfaction**
- **Reduced Implementation Risk**