John Breckenridge's Division

WDDOC QWL Team

January 8, 1991

Members Present:

Jane Huttner
Bev Morn
Ed Fenner
Linda Chellevold
Kathy Ewing
Bill Plonty
Linda Day

with your

MAC Training

Linda C. said the training has not been scheduled yet but they are compiling a list of what they need to do. The training should be completed by the end of January. Kathy indicated February is a very busy month for Charmaine.

F.Y.I.

Ed received a call from Bob Brown, Distribution Services District Manager, and Marshall Reckard, Distribution Manager for OSP Engineering Support, asking for copies of the minutes of our meetings. The team thanks you for your interest and will gladly send you minutes. Jane shared a comment received from Mr. Breckenridge thanking everyone in his Division for their efforts on improving WDDOCs.

OSSCHU Screen

Jane reported information she received from Kathy Flancher. The OSSCHU will be updated automatically in two different ways.

- 1. On the pending WTS if a pair change is made and the WTS is reissued prior to passing the order, the pair will be automatically updated on the OSSCHU screen.
- 2. On a trouble basis if the dispatch clerk updates the GDS work screen with the pair and binding posts prior to closing their ticket, GDS will update OSSCHU.





The cable and pair section is operating as designed. Wisconsin Bell did not purchase the SOAC interface that interfaces with FACS. FACS is the mechanized assignments the other Ameritech Companies have on-line. Wisconsin Bell is thinking of designing an interface for GDS but nothing is certain at this point.

GDS is not retrieving the terminal and binding post as designed. Bellcore has received a MR on this. Kathy does not expect to see something for possibly a year. As a short term solution she will be doing periodic TIRKS extract and update the OSSCHU screen. She is going to try for one by the end of January or beginning of February. She will try and coordinate with Palmer the week before the extract will be done. The extract will be performed on the weekend. Ed mentioned that Kathy told him GDS might be replaced by WFA. He will be having a meeting on all the problems that GDS is having and will also discuss WFA with his group at that time.

Wrong Jack Information

Ed provided documentation for problem six and this will be attached to the minutes.

Pair Changes/LEN Changes

We worked on possible solutions for the second problem regarding untimely updating of WDDOC and RCC, CO, WDDOC and MAC having the same LEN. See the attached sheets for the possible solutions.

Bill provided us with information on the number of pair changes in November and December of 1990. In November there were 910 pair changes made for a total volume of 6,373 rids. In December there were 738 pair changes on a total of 4,989 rids. He is concerned that not all pair changes are for legitimate reasons. There is a documented case that a technician changed a pair off of SLC onto copper because he "did not want" SLC. Linda brought up the point that MAC clerks do not have the technical expertise to determine if all pair changes are legitimate.

We would appreciate it if managers and associates as well would look at the Communicator section 11.1 which contains the Wisconsin Bell practices BSP 660-169-325WB on changing defective or occupied pairs and LENs. We would also like to have a look taken at 11.3 of the communicator. This is pair change and LST procedures for Milwaukee for provisioning. Looking it over we noticed that there is no mention of FAB being contacted. This procedure is also somewhat out of date as GDS has been put on line since its last revision. We would appreciate everyone reading over these sections and the possible solutions and give us your feedback. Contact anyone of the members. Thank you.

New Problems

Kathy provided two new problems from her work group. The information on each problem is contained on a separate sheet attached to the minutes. PICS is having a problem with the high volume of cancellations on service orders. CPC brought up the lottery circuits. The problem is that there is no apparent grand scheme for the lottery network.

The group decided that we will not be taking any new problems until we can determine some solutions to the ones we are presently working on. If everyone could continue gathering the information we would gladly accept receiving them but will not bring them up in the meetings until a future date. Thank you for all of your support.

The next meeting will be on February 12 at 9 a.m. in Room 2A at N17 W24300 Riverwood Drive.

AGENDA

- Determine how minutes will be done in future
- Review minutes
- Receive update on MAC clerk's training
- Reprioritize problems
- Work on solutions for untimely updating of WDDOC





Problem: OSSCHU does not update pair changes automatically for GDS.

Goal: Update OSSCHU automatically.

Causes

- Clerks may not be updating GDS work screen with new pair before closing their GDS ticket. GDS will update OSSCHU automatically if this screen is completed.
- 2) There is no written training/documentation or job aid.
- Tech not telling clerk of pair change.
- 4) Pair changes are not being reported to FAB and then pending WDDOC is not being reissued before the pending order is passed.
- 5) Clerks in FAB will not take a verbal pair change, even with MAC on the line from technician.
- 6) No testing of GDS system before releasing system to field.

Results

1) So many pair changes causes untimeliness of connection.

November - 910 pair changes out of 6,373 RIDS.

December - 738 pair changes of 4,989 RIDS.

- 2) Testers must manually update OSSCHU.
- 3) Techs getting wrong information.
- 4) Mass frustration.
- 5) Wasted time and man power.
- Data base is inconsistent (TIRKS, GDS).

Additional Information:

From Kathy Flancher: Cable pair is operating as designed, but Wisconsin Bell did not purchase SOAC interface that other Bell companies in Ameritech have. SOAC interfaces with FACS; Wisconsin Bell has MAC. Wisconsin Bell is possibly thinking of building it's own interface, but nothing definite at this time.

GDS is not retrieving the terminal and binding post as designed. Bellcore has received an MR on it, but we won't see anything for about a year. As a short-term solution, Kathy will be doing a TIRKS extract to update OSSCHU by the end of January or beginning of February. She will call Palmer the week before the weekend the extract will be done. MAC advised would like a call as well - Jane will advise Kathy F.

If dispatch clerk updates GDS work screen with new pair before closing their ticket, GDS will update OSSCHU automatically.

If pair change is updated on pending WTS and reissued prior to passing order, OSSCHU will update automatically.

Problem: WDDOC for second circuit on a dual SLC SPOTS card uses a different vintage card than the first circuit.

Goal: Match SLC SPOTS cards on both circuits.

Causes

- SPOTS plugs are not inventoried in TIRKS.
- 2) TIRKS doesn't realize there is an existing circuit on card.
- 3) MAC doesn't notify TIRKS if a card is in place and a circuit is existing.
- 4) MAC notifies TIRKS only if a plug-in is needed.
- 5) CPC clerk does not know proper use of LFP MAC screen. This gives the circuit identification of the companion circuit.
- 6) MAC training for CPC is insufficient. No special class for MAC exists.

Results

- 1) Extra plug-ins are ordered.
- 2) Longer time installing circuit.
- 3) Requires reissuing correct WDDOC.
- 4) Wrong options can be given.
- 5) TIRKS and field are inconsistent.
- 6) Technicians get dispatched with a wrong card on troubles at times.

Problem: Jack information is missing or wrong on the WDDOC. Goal: Correct jack information.

Causes

- Info not transferred from service order to WDDOC.
- 2) Incorrect ordering from customer/ vendor.
- Jack info missing or incorrect on service order.
- 4) Tech doesn't indicate what jack he installed.
- 5) No training/reinforcement.
- 6) Vendor may have us install one jack when the customer actually wants a different one.

Results

- 1) Outside tech can't find or know what kind of termination.
- 2) Delayed customer service.
- Vendors dispute jack installation from what was ordered/not easily verified.
- 4) Second dispatch to change jack or verify jack info.
- 5) Incorrect billing.
- 6) No billing for jack.
- 7) Money internal cost of \$160 per ASR to Independent Company for wrong info.
- 8) Customer refunds.
- 9) Bad reflections to independent customer, etc.
- 10) Affects key service measurement plan by causing erroneous additional trouble reports.
- 11) Wasted manpower.
- 12) Irate customers.
- 13) Adverse PULSE reports.
- 14) Possibly missed due dates.

NOTE: Valid USOC codes exist for defining jacks. See attached documentation

Idea Connection Form

Mail To: Idea Connection Staff ASC 12 722 N. Broadway Milwaukee, WI 53202

	For Office Use O	inly	My Idea Concerns: Check	one	
Suggestion No.	Date/Time Received	Department Affected	Revenue Productivity Customer Service	Expense I	Reduction
Dear Employee:		Name (Print) / (D) / J	E, DAUL	Office Teleph	35-3807
Thank you for your suggestion. Here's what happens now: (1) We will confirm receipt of your suggestion with an assigned number, to be noted in the upper left hand corner; (2) Your suggestion will be sent to the appropriate department(s) for evaluation; (3) then, your suggestion will be reviewed as outlined in the Supervisors Reference Guide; (4) we will notify		December of A			
			CIAL SERVIC	ES /	MGR
		Work Address (Number) Str	LICAN DR, Floor	LADIT	20)
				Payroll Numb	3711
you of the results.					236
We hope to have these results for you in 60 days. If it takes longer, we will let you know.		your suggestion?	are questions concerning	Yes	□ No
Again, thank you for your other suggestion, don't wa		Are you represented by a QWL Team	?	Yes	□ No
Sincerely Idea Connection Staff					
		Legibility Is Essential. Type Or Prin		·	
Here's the problem/condition	on needing improvement:	_	ES PROF		
DEMAR	C JACK	S-PLEASE	SEE ATTA	ICH ME	NTS
				<u> </u>	
Here's what should be don	e:	SEE M		LETTE	
		IVE ESTIMATES) 1.			
X 50 PER HR.	LABOR RATE = 1	12.5 X 150 TROUBL	ES STATE WIDE	PER YEAR	
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☐ Extra Sheets Attached		☐ Form and/or sketch and	closed		☐ Model sent
the reverse side hereof which	ch I have read, and as furth- agree to indemnify and hold	under the terms and conditions of the er detailed in the Supervisors Reference harmless Wisconsin Bell from and again the suggestion is challenged by anyone	e Guide - Section 815. I rep est all loss, cost, claim, liabilit	resent that the s ry and damage inc	uggestion made
Valid only if signed.		Date 2/15/90	Signature)	Daul	
Additional Signatures when	more than one originator.	-413/10	Just	,,,,,,	
		Employee Suggestion Plan Office File Copy			FCC Item No 85

We have a ongoing problem where our service orders do not indicate the proper type of demard or does not tell us what type of demarc to install at all. In most cases and for various reasons the customer contact is not there when we install the service. As a matter of fact a lot of times the business where we install the service doesn't even know that they are getting the service. In these cases we do our best guessing and most of the time we are correct. Sometimes we are not. It is the sometimes where the problem arises. It makes our customers unhappy, it causes finger pointing and we always have to go back to make the change to what the customer whants. If this information was placed on the service order at the time that the order was placed, it would save a lot of time by not having to quiz a multitude of people for that information, it would save many many trips back to the customers premise and it would make for much happier customers and thus better pulse reports. I purpose that this information be obtained from the person placing the order at the time that the order is placed. This information should be precise. We should also have the name of a contact and an alternate contact in case the first contact isn't there. Both the customer placing the order and the rep taking the order should be made aware that there are many different ways to wire a jack and if they are unsure of the jack that they are ordering (e.g. RJ48S, RJ48C, RJ48X), they should give us the pin information that they want to receive on and the pin information that they want to transmit on. (E.G. I want an eight pin modular jack and I will transmit on pins 1 and 2 and I want to receive on pins 7 and 8.) This will erase any doubt as to what the customer wants and clear up a problem that we have had since hector was a pup. Some examples of the common jacks that we install are enclosed. This information should be given to all reps that take orders from customers and the difference between the jacks should be explained to them so that they can lead the customer to the right choice. A lot of times in the past we were told to install an RJ48X when in fact the customer wanted an RJ48S. As you can see, the two are wired differently. When the irritated customer complains to us that the circuit that we just installed doesn't work we write up a trouble ticket, it is tested by the testers and possibly a co tech and then we are dispatched on it only to find that the customer should have a different kind of jack. AND BELIEVE ME, THIS HAPPENS ALL THE TIME! I think we can save BIG BUCKS by getting this info up front when we have the person on the line that should know what he wants.

In addition to the examples of common jacks, we also have a four prong jack which is a 549 type jack and we also have a 42A connect block that the customer uses for spade tip conductors.

One example of the type of problem that we have is N9160051149 for the La Salle:Clinic. The contact was not there when we installed this service and we installed it per the vendor that was putting the modems in (WBC). The order said to wire beyond the demarc point but didn't tell us what kind of jack to install. The tech put in a 42A connect block them changed it to an RJ11 per the vendor request. When the customer came to hook up his equipment it was still the wrong jack. The customer wanted a four prong (549) jack. We had an r irrate customer, it took up the reps time that took the complaint, it took up the gals time in the SSC who got the call from the rep, it took up my time when the gal in the SSC called me and it took up the techs time when he had to go to both ends of this circuit to install the jack that the customer REALLY wanted. The two ends of this ckt are about 15 miles apart. This took between 1 and 2 hours of the techs time alone. As you can see, the costs start to add up very quickly. This could all be eliminated by obtaining the proper info on the initial contact. As I mentioned before, this problem - happens very often.

DATE: Friday, 1 June 1990

11:36am

To: C80454@WIEMC2 (DAUL, CYRIL)

From: FOSTER.JANET Subject: Idea Conn.

Cy - Since your idea includes all types of orders, including circuits, both the Business Methods Staff and the ICSC Staff will be involved in processing your suggestion. We would like to arrange a conference call with you on Monday, June 4 at 2:00. If that is okay with you, please call 678-0800 at that time. Myself and Carol Mueller would like to discuss your idea with you to be sure we have a good understanding of it. Please let me know if your schedule conflicts with the call. I'm sorry for the late notice on this. Thanks, Janet

CAROL MUELLER
633 W. WiSC
14th FL.

TO: They lo	et orig. info 1000 (2-90)
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1221	J. BDWY
(a) Wisconsin Bell	tted all for start to start

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CAROL MUELLER
143 FL
633 W. WISCONSIN AV
MILW. WI

TNTELPORT
43-53 MOD JK WADAM

(A) Wisconsin Bell

FROM_

IDEA CONNECTION EVALUATION RESULTS

Suggestion Number: 0290028J

Evaluating Department: Marketing - Carrier Services

Departmental Coordinator: Judy Roeming

Date: July 24, 1990

Evaluation Results:

We apologize for the delay in completing the evaluation of your suggestion. Although we commend your initiative to improve the operations of our business, after closely reviewing your suggestion it is our belief that your idea is a minor change to a procedure which could be developed by you as a part of your regular work assignment. For that reason, your suggestion is not eligible for an Idea Connection award.

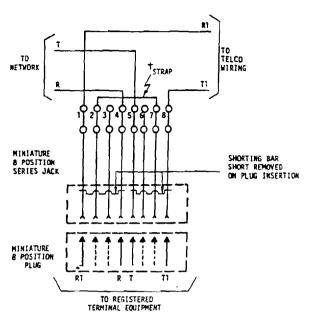
We recommend that you share your suggestion with your immediate supervisor and possibly "champion" your suggestion in your own work group.

Adoption Recomme	ndation:		
/ Adopt, As Is	/ Adopt, With Modifications / No, Hold	Up To a Year	Nonadopt

BUNGTSE SEE

UNIVERSAL SERVICE ORDER CODE (USOC): RJ41S

WIRING DIAGRAM:



† PROVIDED BY THE TELEPHONE COMPANY

Mechanical Arrangement: Miniature 8-position series non-keyed jack with shorting bars.

Typical Usage: Registered alarm dialers.

*SE-97D

Electrical Network Connection: Series connection to the tip and ring of telephone line identical to that of RJ31X. Strap provides a continuity circuit between 2 and 7, which is used as an indication that the plug of the registered equipment is engaged with the jack. The jack is wired ahead of all station equipment electrically.

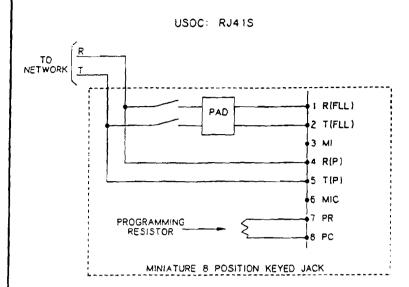
Suttle products which can be used for the USOC RJ38X:

Surface mounted.

SE-625A28SB SE-625A38SB	
SE-635A	
SE-635A8	These products are flush mount.
*SE-635B68	
SE-635A8F	To be used in underfloor duct or electrical raceway systems.
*SE-635B68F	Mounted in service fittings or "tombstones".

*Asterisked products are those which include the RJ11C jack.

WIRING DIAGRAM:



Mechanical Arrangement: Single miniature 8-position keyed jack for surface mounting.

Typical Usage: Universal jack for fixed loss loop (FLL) or programmed (P) types of data equipment.

Electrical Network Connection: Single line bridged tip and ring.

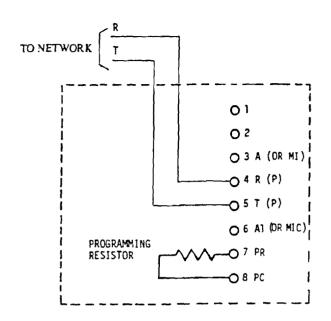
Suttle products which can be used for the USOC RJ41S:

SE-97A1	SE-97A6
SE-97A2	SE-97A7
SE-97A3	SE-97A8
SE-97A4	SE-97A9
SE-97A5	SE-97AB

UNIVERSAL SERVICE ORDER CODE (USOC): RJ45S

UNIVERSAL SERVICE ORDER CODE (USOC): RJ46S

WIRING DIAGRAM:



Mechanical Arrangement: Single miniature 8-position keyed jack.

Typical Usage: Programmed data equipment.

Electrical Network Connection: Single line bridged tip and ring.

Suttle products which can be used for the USOC RJ45S:

SE-97B

Surface mounted.

SE-625A28KR

SE-697B8

These products are flush mount.

*SE-697B68

SE-697B8F To be used in underfloor duct or

electrical raceway systems.

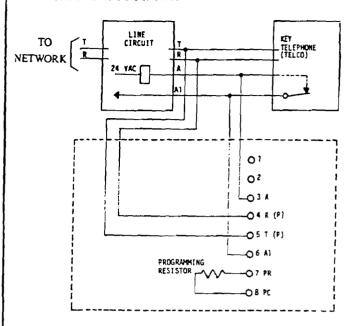
*SE-697B68F

Mounted in service fittings

or "tombstones".

*Asterisked products are those which include the RJ11C jack.

WIRING DIAGRAM:



Mechanical Arrangement: Single miniature 8-position keved jack.

Typical Usage: Programmed data equipment connected to a key system where the registered terminal equipment is not compatible with electrical characteristics of tip and ring ahead of the line circuit.

Electrical Network Connection: Single line bridged tip and ring, A/A1. Tip and ring behind the line circuit.

Suttle products which can be used for the USOC RJ46S:

SE-97B Surface mounted.

SE-625A28KR

SE-697B8 These products are flush mount.

*SE-697B68

SE-697B8F To be used in underfloor duct or

electrical raceway systems.

*SE-697B68F Mounted in service fittings

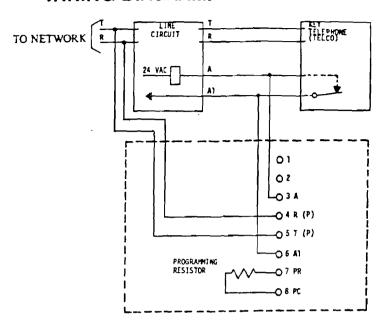
or "tombstones".

*Asterisked products are those which include the RJIIC jack.

UNIVERSAL SERVICE ORDER CODE (USOC): RJ47S

UNIVERSAL SERVICE ORDER CODE (USOC): RJ48C

WIRING DIAGRAM:



Mechanical Arrangement: Single miniature 8-position keyed jack.

Typical Usage: Programmed data equipment connected to a key system.

Electrical Network Connection: Single line bridged tip and ring ahead of the line circuit.

Suttle products which can be used for the USOC RJ47S:

SE-97B

Surface mounted.

SE-625A28KR

SE-697B8

These products are flush mount.

*SE-697B68

SE-697B8F

To be used in underfloor duct or

electrical raceway systems.

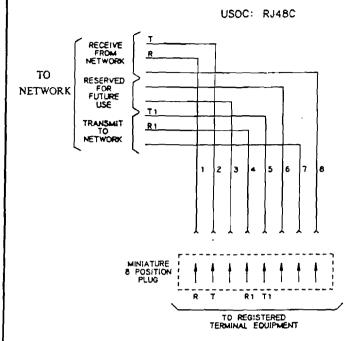
*SE-697B68F

Mounted in service fittings

or "tombstones".

*Asterisked products are those which include the RJIIC jack.

WIRING DIAGRAM:



Mechanical Arrangement: Miniature 8-position jack.

Typical Usage: 1.544 Mbps digital services.

Electrical Network Connection: Tip and Ring, T1 R1. Conductors 7 and 8 provide cable shield integrity. Conductors 3 and 6 are reserved for future use.

Suttle products which can be used for the USOC RJ48C:

SE-86B

Flush mount.

SE-102A8

SE-105AF SE-106AFD

SE-106BFD

SE-106BFDE

SE-625B3-8

SE-625B3-8F

SE-103A8

SE-104A8

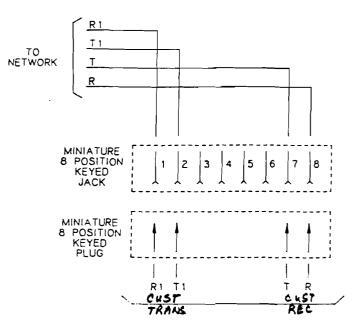
SE-625A2-8 SE-625A3-8 Surface mount.

UNIVERSAL SERVICE ORDER CODE (USOC): RJ48S

UNIVERSAL SERVICE ORDER CODE (USOC): RJ48X

WIRING DIAGRAM:

USOC: RJ48S



Mechanical Arrangement: Miniature 8-position keyed jack.

Typical Usage: Local area data channels/subrate digital services.

Electrical Network Connection: One or two line Tip and Ring or T&R, T1 R1.

Suttle products which can be used for the USOC RJ48S:

SE-106BFD

Flush mount.

SE-106BFDE

SE-100DFDE

SE-625B3-8

SE-625B3-8F

SE-697B8LR

SE-104B8

Surface mount.

SE-625A28-K

SE-625A38-K

WIRING DIAGRAM:

TO REGISTERED TERMINAL EQUIPMENT

Mechanical Arrangement: Miniature 8-position jack.

Typical Usage: 1.544 Mbps digital services.

Electrical Network Connection: Tip and Ring, T1 R1. Conductors 7 and 8 provide cable shield integrity. Conductors 3 and 6 are reserved for future use.

Suttle products which can be used for the USOC RJ48X:

SE-625B8LR-2 Flush mount. SE-697B8F-2

SE-625A28K-2 Surface mount.

SE-625A28NK-2

SE-625A38K-2

Problem: Untimely update of WDDOC. Goal: Timely updating of WDDOC.

Derived From: How does MAC give pair and LEN changes to FAB; what, if any, is the time frame involved to update the WDDOC?

Causes

- 1) Low priority for FAB (fill in time).
- 2) Outside techs, COTs and SSC techs don't always talk to same MAC person, papers all over MAC area for a particular pair change.
- 3) Failure of SSC tech to call correction to MAC.
- 4) Procedures are not being followed.

Results

- 1) Inaccurate MAC and TIRKS data bases.
- 2) Longer duration of trouble analyzation;
- 3) Customer out-of-service duration is longer.
- 4) Wasted time on test appointment waiting for CO and/or tech to rewire.
- 5) Negative attitude reflected towards other departments; tech - disp tech - SSC tech.
- 6) Tech is given wrong information.
- 7) Poor customer service.
- 8) Wasted time.

Problem: RCC and CO have one LEN, WDDOC has another and MAC a third. Goal: All three have same LEN.

Derived From: I have run across problems where RCC and CO are working on one LEN and there is another LEN on the WDDOC and a third LEN in MAC.

Causes

- Procedures are not being followed.
- CO and RCC moved LEN and neither took responsibility to follow thru on getting paperwork updated.

Results

- 1) Inaccurate documentation.
- SSC checking for wrong LEN cable pair connections.
- Wasted time verifying what is wired where.
- 4) Additional time taken to correct all data bases.
- 5) Customers can get put OOS.

Possible Solutions:

- 1) Make corrections a higher priority in FAB recommend 24 hour turnaround.
- 2) Cut down number of pair changes.
 - Be more critical of pair changes reason why.
 - Must be legitimate reason.
- 3) Make SSC control pair changes they call MAC & FAB at same time. COT's & TECH's call SSC.
- 4) Only reason to change off SLC to copper is circuit won't work not because "don't want SLC."
- 5) Review proper procedures with everyone. Target date 3-1-91.
- 6) Make SSC control center for MAC; put in Communicator.
- 7) Make SSC the clearing house in respects to pair changes and LEN changes.
- 8) Change Communicator 4.17 make for reasons, elaborate on why.
- 9) Update provisioning procedures in Communicator 11.3.
 - Make for entire State not just Milwaukee.
 - FAB not mentioned.
 - WTS must be reissued with new pair info before passing order to update GDS automatically.
- 10) Define normal hours and out of hours procedures.
- 11) Initiate documented maintenance procedures.
- 12) Invite Dennis Sweda Staff Special Serv.
- 13) Get input from Managers statewide on implementing pair change/LEN change procedures.

Problem: High Volume of cancellations on service orders. Goal: Get a handle on the number of cancellations.

Information:

- PIC's people documented this.
- Need to know amount of cancellations.
- Are customers billed?
- Plugs are sent out to field sometimes duplicate plugs.
- Where is control on cancelled orders?
- 99% appears to be Service order orientated versus internally.
- Following 2 Tariffs:
 - . BCS Customer must be quoted of cancel charges before order is placed.
 - . ACC tariff All charges are laid out.
- Lots of cancels and reissues.
- A lot of PIE sitting out in field.

Problem: No apparent grand scheme for entire Lottery Network.

Goal: Total layout on how the final lottery network will be - A Grand Scheme.

Information:

- CPC has feeling of concern no one knows what they're doing.
- Order comes in to move one leg off a multipoint to another multipoint. This new multipoint is full so they must move leg off this circuit to another one. Then the next week that same leg may be moved again. This sometimes causes moves of five to seven legs at a time. May move same leg 2-3 times.
- Appears no one knows what they want.
- Generates a lot of work for many departments at Wis Bell and independent companies.
- ATT NMC does not have a good grasp on this.
- GTECH must reprogram for every change.
- No one minds the work generated, but feels a master plan would allow work to go more smoothly for all parties.
- State of Wis orders change, end user unaware of order.
- Linda Helminski is COG coordinator for Lottery.
- Does State of Wisconsin know where they want all legs? We know they are trying to minimize the interwire center mileage charge.
- Is account executive aware of amount of work and is he advising customer?