

CONVENTIONAL

Engineer will access their work station and open Quickset/Secure CRT/Settings Assistant to establish a dial up connection. The application will use a local dial up modem on the work station to connect to the remote dial-up modem via a TAPI connection. Most of these sites have a designated APS extension number (i.e. 81-XXXX). On the remote end, we have a dial up modem connected to a SEL-20XX. This modem is configured by the initialization string on the SEL-20XX. The terminal on the Quickset/Secure CRT/Settings Assistant will show an asterik to indicate a successful connection. The engineer will log into the "parent" SEL-20XX using the level 1 APS password. Once the engineer is in the SEL-20XX, the engineer will have access to relays or IEDs connected to that device. If the number of relays exceeds the number of ports on the "parent" SEL-20XX, more "child" SEL-20XXs are connected to a port on the "parent" SEL-20XX. If the desired relay is on one of these "child" SEL-20XXs, the engineer will have to navigate to the correct SEL-20XX using the terminal window. Controls Engineering maintains connection tables listing all IEDs connected to SEL-20XXs at a substation. The Settings Assistant backup configurations are stored in the Controls Engineering network drive.

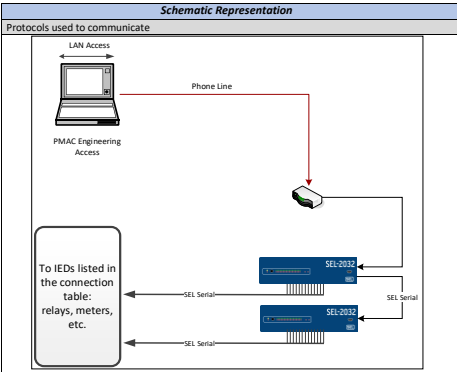
Local End	
Hardware	Owner
Work station	Department/Business Unit
Dial up modem	Department/Business Unit
Software	Owner
AceSElerator Quickset	Department/Business Unit
Secure CRT	Department/Business Unit
Settings Assistant	Department/Business Unit

Transport		
System	Owner	Authentication
TDM Network (phone line)	IT Comm infrastructure	

Remote End		
Hardware	Owner	Authentication
Dial up modem	Controls Engineering	
SEL-2020	Controls Engineering	APS Password
SEL-2030	Controls Engineering	APS Password
SEL-2032	Controls Engineering	APS Password
SEL Relays	System Protection	APS Password
Other SCADA		
D20		

SCADA Equipment	
SCADA Equipment	Site
WESDAC D20	Abitibi
OrionLX	Acoma
WESDAC D20	Adobe
WESDAC D20	Agua Fria
WESDAC D20	Alexander
OrionLX	Altadena
WESDAC D20	Araby
WESDAC D20	Arica
WESDAC D20	Arrowhead
WESDAC D20	Bagdad 12KV
WESDAC D20	Bagdad Cap. Banks
WESDAC D20	Bald Mountain
WESDAC D20	Baseline
OrionLX	Bell
WESDAC D20	Biscuit Flats
WESDAC D20	Blue Ridge
WESDAC D20	Bonneybrook
WESDAC D20	Boulevard
WESDAC D20	Buckeye
WESDAC D20	Buckeye 230KV
WESDAC D20	Butte
WESDAC D20	Calderwood
WESDAC D20	Camelback
WESDAC D20	Chandler
OrionLX	Chaparral
WESDAC D20	Childs
WESDAC D20	Chino Valley
RTAC17	Chino Valley I Solar
OrionLX	Cocorino 69
WESDAC D20	Cocopah
WESDAC D20	Coldwater
WESDAC D20	Conley
WESDAC D20	Copper Canyon
WESDAC D20	Cornville
WESDAC D20	Cottonwood
WESDAC D20	Dale
WESDAC D20	Darby
WESDAC D20	Deadman Wash
WESDAC D20	Delano
WESDAC D20	Desert Ridge
OrionLX	Desert Springs
WESDAC D20	Dewey
WESDAC D20	Dixleta
WESDAC D20	Dove Valley
WESDAC D20	Downing
WESDAC D20	Drake
WESDAC D20	Dysart
WESDAC D20	East End
OrionLX	Eastern Office
WESDAC D20	Eastgate
OrionLX	Elden
WESDAC D20	Encanto
WESDAC D20	Evans Churchill
WESDAC D20	Fairview
WESDAC D20	Flying E
WESDAC D20	Foothills
WESDAC D20	Fortieth Place
WESDAC D20	Garfield
WESDAC D20	Gavilan Peak
WESDAC D20	Gilbert
WESDAC D20	Gillespie
WESDAC D20	Greenbrier
WESDAC D20	Greenway
WESDAC D20	Grey Bears
WESDAC D20	Griswold
WESDAC D20	Harbor
WESDAC D20	Hashknife
WESDAC D20	Hatfield
WESDAC D20	Hayes Gulch
OrionLX	Headgate Rock
WESDAC D20	Hedgepeth Hills
WESDAC D20	Hohokam
WESDAC D20	Honeywell
WESDAC D20	Humbug
WESDAC D20	Indian Bend
WESDAC D20	Indianola
OrionLX	Ivalon
WESDAC D20	Jackson Street
WESDAC D20	Javelina
WESDAC D20	Jomax
WESDAC D20	Laguna
WESDAC D20	Lakeside
WESDAC D20	Liberty Iron
WESDAC D20	Lincoln Street North
WESDAC D20	Lincoln Street West
WESDAC D20	Litchfield
WESDAC D20	Loma Vista
WESDAC D20	Lonesome Valley
WESDAC D20	Lookout
WESDAC D20	Lower River
WESDAC D20	Marine Air Base
WESDAC D20	Marinette
WESDAC D20	McCormick
WESDAC D20	McDowell
WESDAC D20	McMicken
WESDAC D20	Meadowbrook 12KV
WESDAC D20	Meridian
WESDAC D20	Merrill
WESDAC D20	Metro
WESDAC D20	Morristown
WESDAC D20	Mountain View
WESDAC D20	Mummy Mountain

ARMS		
ARMS Asset	Role	Category
Controls Engineering Remote	Add/Modify/Delete Access	Other Business Applications



WESDAC D20	New River
WESDAC D20	North Valley
WESDAC D20	Ocotillo 69KV
WESDAC D20	Old Home Manor
WESDAC D20	Paradise
WESDAC D20	Paulden
WESDAC D20	Pebblecreek
WESDAC D20	Picket
WESDAC D20	Pinal
WESDAC D20	Pyramid Peak
WESDAC D20	Quail Springs
WESDAC D20	Rawhide
WESDAC D20	Rio Vista
WESDAC D20	Riverside
WESDAC D20	Rose Garden
WESDAC D20	Saddle Mountain
WESDAC D20	Saguaro Unit #3
WESDAC D20	Salome
WESDAC D20	Sanguinetti
WESDAC D20	Sarival
WESDAC D20	Sedona
WESDAC D20	Shea
WESDAC D20	Sherman St.
WESDAC D20	Show Low
WESDAC D20	Shumway
OrionLX	Skunk Creek
WESDAC D20	Snowflake
WESDAC D20	Stagecoach
WESDAC D20	Stardust
WESDAC D20	Stout
WESDAC D20	Sturm Ruger
WESDAC D20	Sundog
OrionLX	Switzer Canyon
WESDAC D20	Thayer
WESDAC D20	Thirty Second Street
WESDAC D20	Thompson Peak
WESDAC D20	Toltec
WESDAC D20	Tonopah
WESDAC D20	Tonto
WESDAC D20	Tuthill
WESDAC D20	Union Hills
WESDAC D20	Valley Farms
WESDAC D20	Varney
WESDAC D20	Vista
WESDAC D20	Waddell
WESDAC D20	Watson
WESDAC D20	West Phoenix 12KV
WESDAC D20	West Phoenix 69KV
WESDAC D20	Westwing 12kv
WESDAC D20	Westwing 69KV
WESDAC D20	White Spar
OrionLX	Wild Flower
WESDAC D20	Williams
WESDAC D20	Winslow
WESDAC D20	Wintersburg
WESDAC D20	Yale
DART	Yorkshire
WESDAC D20	Zeniff