

ANDHRA PRADESH STATE ROAD TRANSPORT CORPORATION

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No. DY.CME (Sr. Mgr.-IT) /116(1)/2005-IT

**CIRCULAR NO: COMP/DCP/01 DATED: 21.02.2005**

On critical review of the Depot Computerization project software, it is fe t that certain modifications in the software are needed to strengthen user authentication because the software mainly deals with cash, tickets and performance analysis. The modifications are intended to minimize the scope for data tamper which may otherwise lead to manipulation of data, incorrect generation of outputs and software problems in DCP at depot level as well as in RMIS/CPRS software at Regional/Corporatq bvels. The modifications will address the following areas of existing software.

1. Password security for operator accounts though provided, is not mandatory i.e. operator can work without any password.
2. Anybody can easily hack, remove or change anybody's password
3. System supervisor's operator account is also not secured.
4. User levels can not be implemented i.e. hierarchy and control on lower level operators is not possible.
5. To enable or disable the operators is not possible.
6. Expiry of password is not provided and periodical changing of password can not be forced.
7. Logging of password modifications, creation and deletion of operator account\* is not possible.
8. Access to Master file data can not be restricted to unauthorized users resulting in inconsistency, tampering of data, generation of incorrect reports with which; very critical in some areas like calculation of incentive, key parameter; like EPK, CPK, OR, VU, Cancellation percentage, KMPL, tyre mileage etc
9. Execution of critical software programs can not be restricted to unauthorized users which has given scope in the past for misusing the programs like plod transfer and tray transfer.
10. Feeding of daily transactions like waybill receipt can not be restricted to Sister supervisor, which has given scope for fraud at Chittoor depot.

Computers department has modified the DCP software incorporating the following features, which will give solution to all the above mentioned security problem in DCP software.

1. Secured and encrypted password is provided for DCP operators.
  2. Operator will be forced to have password and also forced to change it at least once in every month.
  3. Several levels of operators (Roles) are introduced as below.
    - j) Level 1: Regional/Divisional Core group.
    - k) Level 2: Depot Manager.
    - l) Level 3: Section **Supervisors** in-charge i.e. AM (T)/AE (M)/AM
    - m) Level 4 : System **in-charge**
    - n) Level 5 : **Data entry ADCs**
    - o) Level 6 : **DC**
    - p) Level 7: : **DC**
    - q) Level 8 : **Person handling musters/Tyres ADC.**
    - r) Level 9: : **Reserved Daily**
- reorganization of OLTAS**

chical in the same order and will have lower level operator accounts. Other levels are independent and do any control on other levels. They can execute only those 1 to 4, 6 and 5 are hierar

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Account is allowed for the levels 1, 2, 4, and 9. Only one account (Traffic/Mechanical/Stores; is allowed for the levels 3 and 7. and one operator code in VEMAS are even!

Accounts are strengthened. Higher levels can control lower level operators can lock lower operator accounts on transfer/retirement.

Higher level operators can change passwords of lower level operators and action is logged and report card, be, generated on password

Password is hidden to System supervisor also. In case any operator gets his password, System supervisor can assign a new password. If operator is forced to change it immediately on next login, programs are restricted to pre-defined levels i.e. lower level not access the programs intended for higher level operators and

Program execution can be restricted to only one person.

Software is kept in APSWAN and the procedure and other details regarding the new software are given separately in Appendix A of the new software.

Zone managers are hereby instructed to get the new software help of concerned Regional/Divisional core group supervisors send certification as having implemented the new software with the Dy.CME (Sr.Mgr-IT) before 20-03-2005 without fail.

EXECUTIVE DIRECTOR (IT&MS)

= Directors of the Zones.

/ Divisional Managers with a request to deputize the concerned core groups to depute for immediate implementation of the software