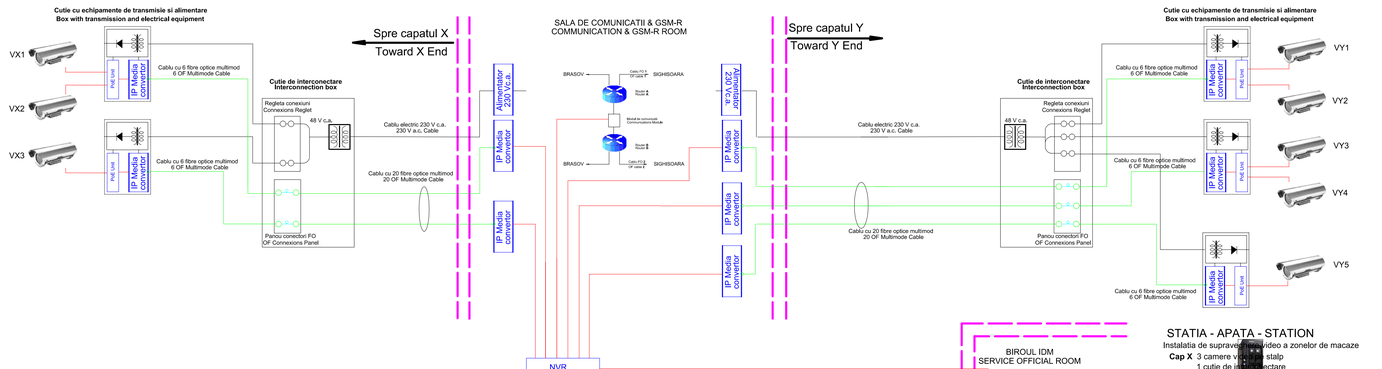

STATIA - APATA - STATION

Instalatia de supraveghere video a zonelor de macaze

Cap X 3 camere video pe stalp
1 cutie de interconectare

Cap Y 5 camere video pe stalp
1 cutie de interconectare
Videorecorder cu 8+2 intrari

Surveillance Video System for X and Y turn-outs areas

X end 3 video cameras on pole
1 interconnection box

Y end 5 video cameras on pole
1 interconnection box
NVR with 8+2 entrances

NOTE / NOTES

1. Camerele video pentru supravegherea zonelor de macaze se instalează pe stâlpi de beton tip 10001, protejate în cutii speciale echipate cu ventilator şi rezistenţă de încălzire.

   The video cameras for surveillance of switching areas are installed on concrete poles of type 10001, protected by special boxes with fan and heating resistor.

2. Tot pe stâlp se montează cutia cu accesorii, care cuprinde alimentatorul de curent continuu, convertorul multimedia şi unitatea PoE (Power over Ethernet).

   On pole will be mounted also the accesories box, that contains the power d.c. supply unit, the IP multimedia converter and the PoE unit.

3. Cablurile cu fibre optice se instalează subteran în duct în acelaşi şanţ cu cablurile CE.

   The fiber optic cables are installed underground in duct in the same trench with the interlocking cables.

4. Cablurile de alimentare electrice se instalează subteran în acelaşi şanţ cu cablurile CE.

   Electric power supply cables will be installed in the same trench with interlocking cables.

5. Alimentarea electrică se face de la 230 V c.a. între sala de echipamente şi cutia de interconectare şi la 48 V c.a. de la cutia de interconectare la cutiile cu accesorii ale camerelor video.

   The power supply will be made by 230 V a.c. from the equipment room up to interconnexion box and by 48 V a.c. from interconnection box up to accessory boxes of the video cameras.

8. Instalaţia va permite supravegherea video de la IDM şi de la OCC.

   The system will allow the video surveillance can be made from the Service Official and from OCC.

7. Inregistrarea video se va face local, iar semnalele video se vor transmite la staţia de monitorizare de la IDM şi la OCC.

   The video recording will be made locally and the video signals will be transmitted to the network monitoring workstation from the Service Official and to OCC.

LEGENDA
LEGEND

- Cablu F2TP cat.5+ / F2TP Cable cat.5e
- Cablu cu fibre optice multimod / Multimod Fibre Optice Cable
- Cablu de electroalimentare / Power Supply Cable
- Camera video IP de exterior / Outdoor IP Video Camera
- PoE Unit — Unitate de electroalimentare pe cablu F2TP / Power ower Ethernet (PoE) Unit
- NVR — Video recorder pentru N canale si N+2 porturi IP / Network Video Recorder for N Channels and N+2 IP Ports
- IP Media convertor — Convertor multimedia / IP Media Convertor
- Ruter / Router
- Pigtail / Pigtail
- Statie monitorizare pe LAN / Monitoring Station LAN based
- Monitor cu 32 canale / Monitor with 32 Channels
- Telecomanda afisare camere video / Remote Control Video Cameras
- Alimentator camere video / Power Supply for Video Cameras
- Transformator 48 V c.a. / 48 V a.c. transformer

Indice / Index	Data / Date	Modificare / Modification/Revision	Proiectant / Designer	Aprobat Consultant / Approved Consultant	Aprobat CFR / Approved CFR
D					
C					
B					
A					

GUVERNUL ROMANIEI
ROMANIAN GOVERNMENT

PROIECT FINANŢAT DE UNIUNEA EUROPEANĂ
EUROPEAN UNION FINANCED PROJECT

C.N.C.F. "C.F.R." - S.A.

CLIENT / CLIENT

ITALFERR GRUPPO FERROVIE DELLO STATO Joint Venture leader
Scott Wilson
OBERMEYER PLANEN + BERATEN GmbH
TECNIC Consulting Engineers

CONSULTANT / CONSULTANT

			Data / Date	Semnătura / Signature
Aprobat / Approved	Şef proiect / Project manager	R. Liuzza		
Aprobat / Approved	Coordonator Secţiune 1 / Section 1 Coordinator	C. Gambelli		
Verificat / Checked	Verificator / Verifier	Pino Amodio		

SUBCONTRACTANT / SUBCONTRACTOR

Aprobat / Approved	Responsabil Subconsultant / Subconsultant Responsible	A.Stanciu - Dinulescu	02.2012	
Întocmit / Elaborated	Proiectant / Designer	Gabriela Trifan	02.2012	

Reabilitarea liniei de cale ferata Braşov - Simeria, parte componentă a coridorului IV Pan European, pentru circulaţia trenurilor cu viteza maximă de 160 km/h,
Tronsonul : Braşov - Sighişoara
Rehabilitation of the railway line Braşov - Simeria, component Part of the IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h,
Section : Braşov - Sighişoara

Proiect/Project 2004/RO/16/P/PA/003

Faza / Phase: P.Th. / T.D.

Denumire desen / Drawing Title :

Statia - APATA - Station

SCHEMA BLOC A INSTALATIEI DE SUPRAVEGHERE VIDEO A ZONELOR DE MACAZE
BLOCK DIAGRAM OF VIDEO SURVEILLANCE SYSTEM FOR X and Y TURN-OUTS AREAS

Codificare / Codification System	Scara / Scale	LOT / LOT	Nr. / No
E A 5 1 0 1 C 0 9 U X S E 0 3 5 7 0 0 3 1			01/01