



SECOM SRL – Sistemi Elettronici Computerizzati



SECURITY PROJECT

SECOM

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SECURITY PROJECT SECOM

PROJECT AIMS

- *improve public security systems;*
- *promote the fight against crime;*
- *up-grade Police Agent work quality performance.*

EXCLUSIVE ASPECTS OF THE PROJECT

- *solutions formulated according to details given by the Police Force;*
- *acquisition of various applied programs and Photonet data bank, developed in collaboration with Arma dei Carabinieri, is subject to UAES approval, Ufficio Armamenti ed Equipaggiamenti Speciali. (Bureau of Arms and Special Equipment)*

POTENTIAL CLIENTS

- *Police Force and assimilates.*

USERS

- *Department for data gathering (photos, finger-prints, voice, etc.) of persons under arrest or held for identification;*
- *Forensic Department assigned to Crime Scene Investigations;*
- *Department assigned to assessment and training of Police Agents.*



PROJECT DETAILS

Secom-Amasis is a solution for the fight against crime, based on the use of integrated technology, totally developed in collaboration with the Italian Police Force (Arma dei Carabinieri) and personalized according to the needs and requirements of the country involved.

The project is developed according to three main principles:

- 1) The use of SECOM_SPIS electronic systems in Police Stations, to obtain personal data, physical features, photograph, finger prints, voice pattern and modus operandi of the persons to be identified. All this information is sent to the Amasis main system, creating a database that can be consulted, in WEB modality as well.*
- 2) Use of SECOM_MINILASE e SECOM_FAD mobile systems to prevent crime, in open spaces or in Forensics laboratories, for crime scene investigation and study or for various laboratory tests;*
- 3) Use of computerized classrooms for the assessment of Police personnel (psycho-attitudinal analysis) and training.*

The AMAIS main system receives information from the peripheral units, coordinates consultation of the databases contained, communicates with an AFIS if present.



DETAILS ON SYSTEM PRODUCTS

○ **BOOKING SYSTEMS**

Through systems designed specifically for the Police Force, a frontal-profile can be obtained on a single photogram, with personal data and physical features, finger prints and voice pattern.

○ **DATABASE MANAGEMENT: PHOTO, DATA, PRINTS, VOICE**

Filing, transmission and reception, comparison and identification. Direct communication with AFIS for finger prints. Identification through photo and voice, is done with proprietary algorithms.

○ **BUILD-UP OF A FACE: IDENTIKIT, PHOTONET, SFR 3D**

Graphic reconstruction (Identikit) and photographic reconstruction (Photonet) of a person's face, based on descriptions by witnesses. The Photonet database of physical features (eyes, nose, mouth ecc.) is automatically generated by a photo acquisition system designed by Secom. The use of the Photonet database, presently used by the Arma dei Carabinieri, is subject to approval by authorities. Tridimensional reconstruction.

○ **CRIME SCENE ANALYSES PORTABLE SYSTEMS**

Portable systems, designed specifically for the Police Force, can be used to conduct an on-the-spot investigation by Forensic agents to collect evidence, for planimetric reconstruction, and to bring out traces and lesions. Technical survey results are automatically generated. A central database allows for research and correlation.

○ **SYSTEMS FOR PSYCHO-PHYSICAL ASSESSMENT AND TRAINING**

In specially designed computerized classrooms, the following are studied:

- *Psycho-physical reactions to optical and acoustical stimuli;*
- *Response speed and regularity;*
- *Attention, memory and various personality traits;*
- *Learning capacity, after training.*

SPIS-Secom® SYSTEMS IN THE POLICE STATION

FILE OF A DETAINED PERSON

When a person is held, the SPIS-Secom® system generates a file with personal data, physical features, photo, voice, finger prints.

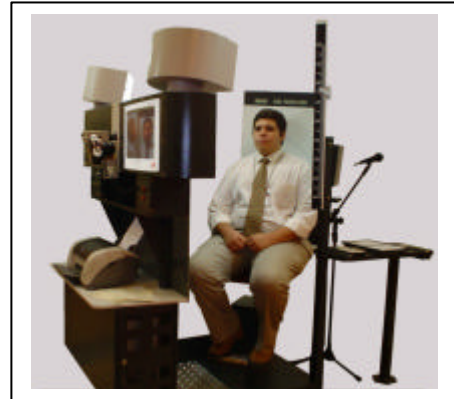


PHOTO TAKING

The photo is taken automatically, front and profile, with one click, and always with identical light conditions, distance and position, thanks to a specially designed system. Therefore photo-taking does not depend on the abilities of the operator nor on the surrounding conditions: it is commanded by the keyboard on the SPIS-Secom® system and is controlled on the monitor of the same system.

Photos can be made front-profile in digital or analogical format, and/or on negative.

When the photo is taken, the operator can indicate various points, used by the SPIS-Secom® system to calculate and give in a few seconds automatically the following:

- 1) An anthropometric model of the face of the person who is being photographed (Secom-antropometrico®), useful in case of later comparisons with low-quality images (cameras recording in public places and similar)
- 2) A mathematical model of the person's face Secom-ICS®, used in case the same person is to be looked for in the main archive, for example to verify his/her personal data, especially when not available in AFIS
- 3) Four frontal images of the person: face w/ hair, eyes, nose and mouth, to create a photographic database (Secom-PHOTONET®) for parts of the face to use, for example, in case of rebuilding a face (identikit). In this way designs of physical features made available, refer to the typical local delinquency instead of generic models, as is usually.

- 4) The list of physical features described of the photographed person's face (long face, nose base raised, short nose, wide open eyes ... more than thirty definitions). This list is automatically generated by the SPIS-Secom® system, with a design that graphically represents the individual photographed: in such a way the operator can verify the preciseness of the features described, before sending to the AMAIS-Secom® system for composition in the Physical Feature Database (Secom-Descsom®). The precision of these data is fundamental, if they are to be useful in searching, for example, a person with a lowered nose base and round face

Therefore at the moment of police detainment, the operator introduces the person's personal data, takes the photo and instantly, the SPIS-Secom® system creates information to feed the central database AMAIS-Secom®, to verify if the person has been identified before (response time: about 6 seconds with a database of one million persons and frame relay). Such research can be done automatically, according to the request of the Customer.

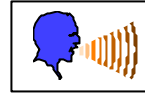
ESTIMATED TIME FOR THE FIRST PHASE OF PHOTO-SIGNALLING

PERSONAL DETAILS :
depends on the operator

PHOTO AND INFORMATION FOR DATABASE FEEDING :
Secom-antropometrico Secom-ICS Secom-PHOTONET Secom-Descsom
About two minutes

Photo-signalling continues with finger printing and voice digitalization.

VOICE



VOICE CAPTURING

The SPIS-Secom® system records the voice of the person photographed, who for 30 seconds reads or repeats a few prepared phrases.

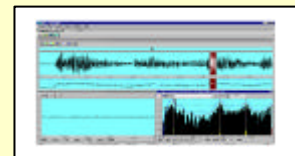
The resulting audio file, part of the file of the booked person, is sent to the AMAIS-Secom® central system to feed the Voice Database (Secom-voce®).

In the central office, an analyst can conduce voice comparison evaluation.

Estimated time for voice capture: 1 minute.

VOICE ANALYSIS (CODEVOX-Secom®)

INTRODUCTION



The CODEVOX-Secom® system, integrated in the SPIS-Secom® technology, results of long years of study and collaboration between the Fondazione Bordoni and Italian Arma dei Carabinieri, is an analysis system of forensic nature, created for the identification of a speaker with criminal intent, especially with telephone quality voices.

This is a powerful instrument for searching, investigations and judicial objectives.

Realization of this project has kept in account three main factors:

- Solve the problem when a speaker does not want to be recognized (therefore the system must be substantially different from the analogical with automatic control access or remote control of instruments)
- to be able to analyze a generally 'dirty' audio signal, for example from a recorded telephone message demanding ransom after a kidnapping, with overlay of voices and background noise
- elaborate a scientific method which, like testing and finger print comparison (characteristic points), allows for voice classification of each person with something that is just as characteristic. The contents of the next paragraph demonstrates how this is done through the study of fundamental frequency and the formants of each vowel pronounced by the speaker.



VOICE ANALYSIS (CODEVOX-Secom®)

THE ELEMENTS OF THE CHARACTERISTICS OF A PERSON'S VOICE

Beginning from a recorded message, for example on the telephone with strong noise, a module in the program allows for the individualization of the speaker that is of interest, isolating the others present and from noise.

Another module allows for the isolation of vowels, in phrases pronounced by the speaker and automatically calculates for each the fundamental frequency and the various formants.

In such a way, the speaker's voice is a group of parametric measures.

VOICE ANALYSIS (CODEVOX-Secom®)

HOW PROBABILITY OF IDENTITY IS DETERMINED

The system estimates the probability of identification by repetition of measures of each phoneme in different words, comparing the sample with the voices of the suspects.

Results are available in numeric form as well as graphic: a graph illustrating how distant one voice is from another, or the estimation of close/distant comparison of the individuals compared.

VOICE ANALYSIS (CODEVOX-Secom®)

EVOLUTION AND POPULATION OF REFERENCE

At the moment the system starts calculation from a database, which is continuously updated, and contains thousands of conversations and hundreds of thousands of parametric data, collected from real court cases in which recordings and phonic voice specimens of different nationalities, age and social background are made.

Completion of data regarding the population of reference, a connection between the Police Forces interested in the use of this type of application and the Italian Arma dei Carabinieri is foreseen, for the exchange of methodologies and data of common interest.

Booking continues with finger printing



FINGER PRINTS

ROLLED FINGER PRINTS AND PALM PRINTS

The SPIS-Secom® system allows for rolled finger printing and/or palm printing (with ink as well as live scanner) for transmission to an AFIS or simple filing. Unless specifically requested by the client, electronic finger/palm print filing is not provided in the SPIS-Secom® system memory.

A software interface has already been developed which allows for easy communication, for feeding the AFIS as well as interrogation.

Compatibility with any type of AFIS is guaranteed.

FLAT FINGER PRINTS

The SPIS-Secom® system takes flat finger prints when booking (minimum 2, maximum 10 per person), files in a dedicated memory and manages in MICROAFIS logic, to identify persons on the black list.

Up to seven different black lists can be created, each made up of 10,000 prints, in the AMAIS-Secom® system (robbers, rapists, drug pushers) .

These black lists can be recreated by the system manager, as desired.

A SPIS-Secom® peripheral system can search in various black lists, through a connected network using the electronic sensor that is used at the moment of booking.

This methodology is useful in the following cases:

- AFIS is not available ;
- As a dissuasive and preventive instrument, for example in a sports event, compiling a black list of violent fans and transferring onto the mobile SPIS-Secom® system, so as to identify persons present who are on the black list of ‘violent fans’, in the vicinity of the stadium or entrances.

Response time is about 30 seconds.

UNKNOWN PERSON FILE

UNKNOWN PERSONS DATABASE
(Public demonstrations, sports events, etc)

The SPIS-Secomâ system can create a file with partial personal details such as photo and physical features of a person.

Consider the importance, for example, of an unknown persons database, in which the photo and some physical features are described in the following situations:

- bank robberies ;
- public demonstrations;
- sports events ;
- video recordings.

The unknown persons database can be consulted, as described in the next section.

UNKNOWN AND FILED PERSONS DATABASE

The creation of a file on a detained person feeds the Photo.signalled persons database, giving the following details:

- PERSONAL DETAILS ;
- PHYSICAL FEATURES;
- MODUS OPERANDI ;
- PHOTO;
- VOICE;
- FINGER PRINTS



The creation of the file of a person photographed or filmed in particular cases, but not detained by the police, feeds the UNKNOWN PERSONS DATABASE, giving the following details:

- PHOTOS, USUALLY OF BAD QUALITY ;
- PARTIAL PHYSICAL FEATURES.



DATABASE SEARCH

IDENTIFICATION SESSION



Consider when a person who has been robbed goes to the police station equipped with the SPIS-Secom® system.

The person reports what happened and the police agent can start an identification session (among files of booked as well as unknown). The witness gives the information he has: “I was attacked by a person of tall height, with a flat nose base and tightly opened eyes. Skin color was dark.....”

The agent enters these data in the search filter and waits a few seconds for the AMAIS-Secom® system to give a response: number of persons found with those characteristics and relative photos. The next pages each one composed by nine photos, show all the suspects (**electronic photo album**) and, in case of identification, the photo can be highlighted with a simple click of the mouse.

The SPIS-Secom® system automatically prints the ID session report:

- a) Session report with personal details of the witness, police agent, what happened and search done in presence of the witness;
- b) A list of persons shown to the witness including names and birth dates;
- c) A photo of the nine persons shown contemporaneously at the moment of identification;
- d) Booking file of the person identified.

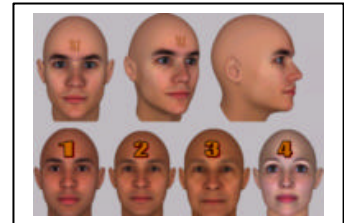
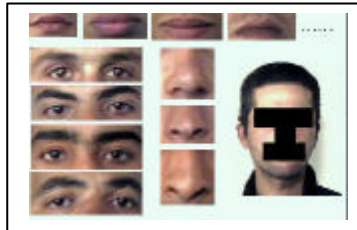
In the case that a witness does not recognize any of the persons among those shown, an identikit can be made, automatically a search is conducted for the persons who are similar to that of the identikit. The search can be made in each of the 3 archives available:

- Booked;
- Unknown;
- Identikit.

IDENTIFICATION SESSIONS CAN BE CONDUCTED FROM A DIFFERENT SPIS-Secom® POST, IN WEB MODE.

IDENTIKIT

IDENTIKIT, PHOTONET, SFR 3D IDENTIFICATION SESSION



The SPIS-Secom® allows for three types of IDENTIKIT:

- Using a database (pre-existing) of graphic physical features;
- Using a photographic database created by the automatic division of the face, at the moment of photo taking of the person identified;
- Creation of a three-dimensional model, with automatic feature change and aging

All types of identikit above mentioned allow for the automatic search of persons who look alike, in the identified persons database, unknown and among all the identikits made precedently as well. The latter is of fundamental importance because different crimes can be associated, committed at different times, by the same person.

The composition of an identikit (graphic, photographic, or tridimensional) must be sent to the main database for comparison of look alike persons: the photos of the persons found determine the beginning of an identification session, as described above.

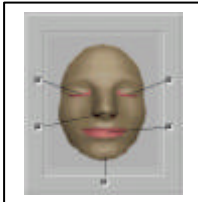
In the case that a witness does not make an identification, at the discretion of the authorities, the identikit can be put on communication media such as television, internet etc.

FACE IDENTIFICATION

The SPIS-Secom® system uses three different modalities in face identification:

- Secom-antropometrico®
- Secom-ICS®
- Identix-Visionics

Secom-antropometrico



SPIS-Secom® creates at the moment of booking, an anthropometric model of the person's face, useful in case of later comparison with bad quality images (telecamera recordings in public demonstrations and similar).

When there is a photo or an image where it is possible to indicate only the position of the eyes, nose, mouth or chin, the Secom-antropometrico® procedure is applied and the values obtained are compared to those of the database, to then search for persons who have the same parameters.

Secom-ICS

SPIS-Secom® creates at the moment of photo-signalling, a mathematic model of the person's face, filed for later searches. When a booking is done, especially when not available in AFIS, it can be the case to confront the mathematic model of the person to be booked with those present in the main database, to verify if the person is not already present in the archive, perhaps with false information.

Identix-Visionics

SPIS-Secom® integrates the Identix application, particularly indicated where telecamera recordings are to be confronted.

The base model allows for the management of a video black list of 20,000 persons, but according to the needs of the client, can be expanded to millions.

PORTABLE SYSTEMS

All the functionalities found in a Police Station with SPIS-Secom® systems are available on portable systems.

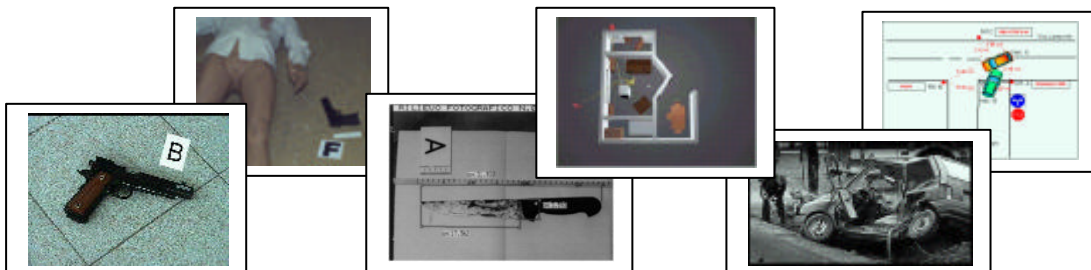


The case called MINILASE allows for all of the described operations done on the SPIS-Secom® system (booking, image acquisition, identikit etc).

MINILASE-Secom®

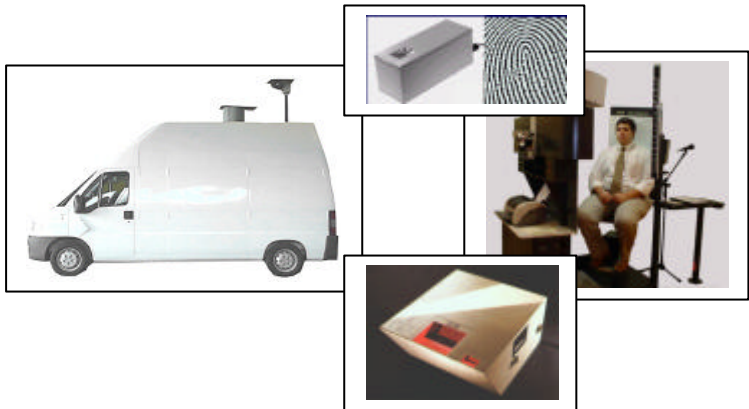
Moreover a powerful software designed specifically for the Police Forces, guides the Forensic agents in performing a Crime Scene Investigation, in evidence collecting, planimetric reconstruction and indication of traces and lesions. A central database allows for research and correlation.

- **Details of the crime**
- **Information on the victim**
- **Injuries**
- **Evidence**
- **Arms**
- **Traces**
- **Vehicles**
- **Assaltants**
- **Notes**



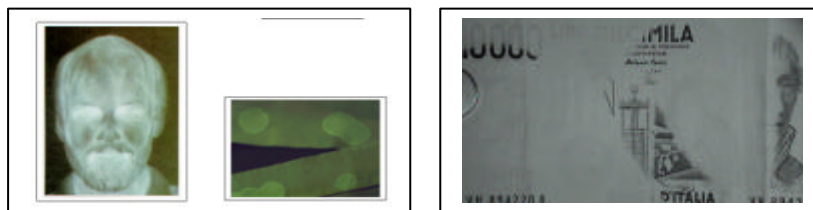
Other portable systems available:

VAN with SPIS-Secom® IDENTIFICATION SYSTEM




- SPIS-Secom® SYSTEM
- System for testing false documents and money
- Video reception system
- Night visor
- Automatic system for passport check and validation

SYSTEM FOR TESTING FALSE DOCUMENTS AND MONEY.



FAD-Secom®



**PORTABLE VIDEOMICROSCOPE
WITH POLARIZED MULTISPECTRAL LED**

370nm ultraviolet e 840nm infrared

- Exclusive system zoom lens change that enlarges up to 1000x;
- High definition color camera, DSP type;
- Real-time preview, on display 6,8" TFT in Color with analogical output;
- Save up to 60 images in JPEG format on PCMCIA;
- Power feed 220V 50Hz and 12V battery with 2 hours duration;
- Wide range of accessories for a versatile use of microscope investigations in different fields (dermatology, investigations criminals, false documents,.....)
- Portable size (30cmx25cm x130cm)

Other portable systems available:

NIGHT VISOR.



IRVID: NIGHT VISOR

- INFRARED BINOCULAR
- 2 RECHARGEABLE BATTERIES (90 min. Duration)
- BATTERY CHARGER
- Iris Adjustment
- Focus
- Peep-sight adjustment
- IR 21 Lamp (*)
- Lens 5,6 mm (**)

(*) Lamps available:

- IR 7
- IR 21
- IR 42
- IR 126

(**) Lenses available :

- 5,6 mm
- 6,0 mm
- 8,5 mm

AUTOMATIC SYSTEM PASSPORT VALIDATION AND CHECK



IA-PASSPORT includes:

- PCI Frame Grabber and full page image capture software, MRZ decoding e checksum validation for standard ICAO documents;
- Secure-It (software for document identification)
- Ia-Passport database.

AUTOMATIC IRIS IDENTIFICATION SYSTEM



AUTOMATIC REPORT



A PERSON CAN REPORT MISSING (PERSON, ANIMAL OR OBJECT) FOLLOWING THE INSTRUCTIONS ON THE TOUCH SCREEN..

THE SYSTEM ALLOWS FOR THE COMPLAINANT TO SEARCH, FROM ANOTHER SYSTEM AS WELL AS IN OTHER CITIES.

COMPUTERIZED CLASSROOMS

FOR ASSESSMENT AND TRAINING OF POLICE PERSONNEL.



SEPA-Secom®

These classrooms, especially designed in collaboration with the Psychology Medical Center of the Ministry of Internal Affairs and the National Health Service of the Ministry of Transport, are equipped with software that in the course of the years, has been validated by hundreds of thousands of tests conducted.

A psycho-attitudinal profile of the candidate is obtainable in one exam session :

- *Psycho-physical reactions to optical and acoustical stimuli (response time);*
- *Response speed and regularity;*
- *Attention and memory;*
- *Personality: sociableness, independence, audacity, expressiveness, aggressiveness, super ego, self-control, empathy, depression.*

Further to the results, the system gives an analysis of the physical and psychological characteristics of the person, as well as orientation towards the abilities of the person and how the person can best be applied.

It is not less important to be able to use the classrooms for training Police personnel.

A powerful audio-visual network allows for the instructor to interact and perform operations connected to the duties that each person is to perform.

Self-learning exercises can be conducted as well as with instructor guidance:

- *How to take finger prints;*
- *How to book;*
- *How to behave in case of danger;*
- *How to conduct a Crime Scene Investigation;*
-



**SECOM – COMPUTERIZED ELECTRONIC SYSTEMS
PSYCHO-ATTITUDINAL TESTS**

LAST NAME : **NAME** :
DATE OF BIRTH : **PLACE OF BIRTH** :

PSYCHO-MOTORIAL TEST

PROGRAM N.1 SIMPLE VISUAL STIMULI RO=TD VE=TD SU=TD CA=TD
 RO-#### RO- 203 RO- 192 RO-#### RO- 238 RO- 295 RO- 234 RO- 309 RO-253
 RO- 297 RO- 256 RO-#### RO- 188 RO- 304 RO- 308 RO- 263 RO- 234 RO-263
 RO-262 RO- 359 **T.M. = 273.2 (2) I.R. = 33 (3) I.E. = 0%**

PROGRAM N.2 SIMPLE ACOUSTICAL STIMULI RO=TD VE=TD SU=TD CA=TD
 SU-1286 SU- 311 SU- 224 SU- 219 SU- 233 SU- 237 SU- 238 SU- 214 SU- 254
 SU- 225 SU-#### SU- 911 SU- 578 SU- 364 SU- 212 SU- 213 SU- 244 SU- 293
 SU- 207 SU- 282 **T.M. = 320.2 (1) I.R. = 127 (1) I.E. = 0%**

PROGRAM N.3 COMBINED STIMULI RO=TD VE=TD SU=TD CA=TD
 GI-EEEE RO- 240 VE- 202 SU- 286 GI-EEEE CA- 250 SU- 225 VE- 170 CA- 209
 SU- 229 RO- 256 SU- 226 CA- 223 RO- 222 VE-280 GI-EEEE CA- 261 RO- 291
 VE- 242 TR- EEEE **T.M. = 238.2 (10) T.P. = 3497 (10) I.E. = 20%**

ATTENTION SPAN TEST

CALCULATED REACTION TEST - T.I. (10)
 OMISSION 2/ 60 ERRORS 0/60 TIME : 125
SPEED OF PERCEPTION (2)
 EXACT 5/20
CHROMATIC TEST (10)
 ERRORS 0

MENTAL CAPACITY TEST

CALCULATED REACTION TEST - T.F. (7)

	GR1 %	GR2%	GR3%	GR4%	GR5%	GR6%	GR7%	GR8%	GR9%	GR10%	TOT%	TOT
CT	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	800
ER	35.0	12.5	51.3	0.0	68.8	17.5	75.0	38.8	53.8	12.5	36.5	292
OM	13.8	20.0	5.0	25.0	0.0	12.5	0.0	13.8	3.8	17.5	11.1	89
EX	51.3	67.5	43.8	75.0	31.3	70.0	25.0	47.5	42.5	70.0	52.4	419

MEMORY TEST (7)
 EXACT 9/ 12

SPATIAL VISION TEST (6)
 EXACT 5/ 18

NUMERICAL TEST (8)
 EXACT 9/ 18



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**SECOM – COMPUTERIZED ELECTRONIC SYSTEMS
PSYCHO-ATTITUDINAL TESTS**

LAST NAME : NAME :
DATE OF BIRTH : PLACE OF BIRTH :

PSYCHO-MOTORIAL TEST: SPEED	GLOBAL INDEX	L 13/30
PSYCHO-MOTORIAL TEST : REGULARITY	GLOBAL INDEX	L 14/30
ATTENTION SPAN TEST	GLOBAL INDEX	L 22/30
MENTAL CAPACITY TEST	GLOBAL INDEX	L 28/40

PSYCHO-MOTORIAL TEST: SPEED	
SIMPLE VISUAL STIMULI	2 ■■
SIMPLE ACOUSTICAL STIMULI	1 ■
MULTIPLE STIMULI	10 ■■■■■■■■■■
PSYCHO-MOTORIAL TEST : REGULARITY	
SIMPLE VISUAL STIMULI	3 ■■■
SIMPLE ACOUSTICAL STIMULI	1 ■
MULTIPLE STIMULI: MENTAL TENSION	10 ■■■■■■■■■■
ATTENTION SPAN TEST	
CALCULATED RESPONSE - T.I.	10 ■■■■■■■■■■
CHROMATIC PERCEPTION	10 ■■■■■■■■■■
PERCEPTION	2 ■■
MENTAL CAPACITY TEST	
MEMORY TEST	7 ■■■■■■
SPATIAL TEST	6 ■■■■■
NUMERICAL TEST	8 ■■■■■■■■
CALCULATED RESPONSE TEST: FIXED TIME	7 ■■■■■■

GENERAL EVALUATION
SLOW AND POORLY REGULAR, DISTRACTED. NORMAL MENTAL CAPACITY.

ANALYSIS
*POOR CAPACITY TO RESPOND RAPIDLY IN AN APPROPRIATE WAY TO DIFFERENT STIMULI.
 ACTION IS POORLY REGULAR. CONTROL AND CORRECTION OF EMOTIONAL VARIABLES THAT INTERFERE WITH PERFORMANCE IS A MUST.
 REPEATED TRAINING SESSIONS ARE ADVISED.
 LOW CAPACITY TO HOLD ATTENTION IN ACTIVITIES THAT INVOLVE SPEED AND PRECISION.
 SUFFICIENT IN RATIONAL DEVELOPMENT WHICH SHOW APPLICATION OF SPATIAL MEMORY, NUMERICAL AND ATTENTION.*

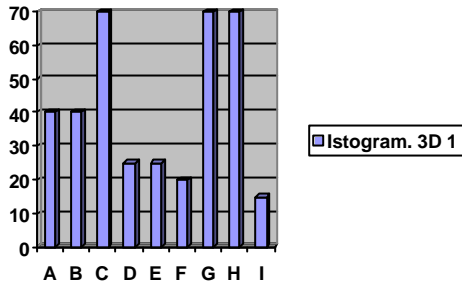
ORIENTATION, ACTIVITIES THAT REQUIRE :	
<i>EFFICIENT PSYCHO-MOTORIAL RESPONSE</i>	<i>NOT ADVISED</i>
<i>RESPONSE REGULARITY</i>	<i>NOT ADVISED</i>
<i>ATTENTION AND SPEEDY RESPONSE</i>	<i>NOT ADVISED</i>
<i>ANALYSIS AND ELABORATION OF DATA, PROJEST DEVELOPMENT</i>	
<i>HIGH LEVEL RYTHMN OF PRODUCTION</i>	<i>ADVISED AFTER TRAINING</i>

PERSONALITY PROFILE

LAST NAME : NAME :
 DATE OF BIRTH : PLACE OF BIRTH :

TENDENCY TO FALSIFY RESULTS :

***** **LOW** *****



A: SOCIABLENESS B : INDEPENDENCE
 C: AUDACITY D : EXPRESSIVENESS
 E: AGGRESSIVENESS F : SUPER-EGO
 G: SELF-CONTROL H : EMPATHY
 I : DEPRESSION

A = SOCIABLENESS **VARIATION IDEAL VALUE = 60 %**
 DIFFICULTY TO INTEGRATE INTO A GROUP AND BREAK THE ICE. DIFFICULTY TO ACCEPT AND TRY MODELS THAT ARE NOT HIS/HER OWN. REFUSES GROUPS WITH THE TENDENCY TO AVOID THEM

B = INDEPENDENCE **VARIATION IDEAL VALUE = 32 %**
 LOW LEVEL OF DETERMINATION AND SELF-AWARENESS, CAPACITY TO ANALYZE A PROBLEM, INDIVIDUALIZE AND EVALUATE SOLUTIONS AND SITUATIONS. CONFLICT IN SELF-ORGANIZATION IN FUNCTION OF OWN NEEDS. TENDENCY TO NOT GIVE HIS/HER BEST. DIFFICULTY IN CHANGING HABITS.

C = AUDACITY **VARIATION IDEAL VALUE = 40 %**
 REFUSES DANGEROUS SITUATIONS AND TENDS TO ENLARGEN PROBLEMS WHEN RISK INVOLVES PERSONS WITH WHOM INVOLVED . CONFIDENCE IN CAPACITY OF REORGANIZATION WITHOUT THE NEED TO FEEL GUARANTEED. TENEDENCY TO ADAPT TO SITUATIONS.

D = ESPRESSIVENESS **VARIATION IDEAL VALUE = 73 %**
 DIFFICULTY IN ORGANIZING COMMUNICATION AND CONFLICT IN ACCEPTION OR REFUSING COMMUNICATION. EASE IN RATIONAL MANAGEMENT CONFLICTING INFORMATION AND DIFFICULTY IN DOING SO EMOTIONALLY.

E = AGGRESSIVENESS **VARIATION IDEAL VALUE = 20 %**
 CAPACITY TO USE AGRESSIVENESS TO SUPPORT OWN IDEAS AND OWN REASONS, REPRESSING PHYSICAL REACTION OF ANGER.

G = SELF-CONTROL **VARIATION IDEAL VALUE = 40 %**
 NEED OF LONG MEDITATION BEFORE MAKING A DECISION. THEREFORE DIFFICULTY IN EMERGENCY SITUATIONS. TENDENCY TO NOT RESPOND IMMEDIATELY TO PROVOCATION, TO BE ABLE TO RESPOND LUCIDLY. CAPACITY TO KEEP UNDER CONTROL A SITUATION, EVEN IF OCCUPIED IN MORE THAN ONE ASPECT.

H = EMPATHY **VARIATION IDEAL VALUE = 40%**
 PERSON THAT COMES INTO CONTACT PREFERIBLY BY SPEAKING ABOUT HIMSELF., IN AN INVOLVING WAY. FEAR OF SITUATIONS THAT ARE EMOTIONALLY DIFFICULT.

I = DEPRESSION **VARIATION IDEAL VALUE = 32 %**
 NO SIGNIFICANT OBSERVATIONS .