SERIES PURPOSE:
The purpose of the Information Technology Consultant occupation is to provide technical advice to programming/systems staff, middle management or top management staff regarding solutions to most difficult or complex information systems issues.

At the lower level, incumbents provide technical assistance to programming/systems staff regarding complex information systems issues.

At the higher level, incumbents provide technical advice to information systems personnel at the middle & top management levels regarding all facets of information systems division/bureau operations.

CLASS TITLE: INFORMATION TECHNOLOGY CONSULTANT 1
CLASS NUMBER: 64161
EFFECTIVE DATE: 01/10/1999
NEW EFFECTIVE DATE:

CLASS CONCEPT:
The advanced level class works under general direction & requires thorough knowledge of information technology & systems analysis & design, electrical engineering or telecommunications in order to provide technical assistance to programming/systems staff regarding solutions to most difficult or complex information systems issues.

CLASS TITLE: INFORMATION TECHNOLOGY CONSULTANT 2
CLASS NUMBER: 64162
EFFECTIVE DATE: 01/10/1999
NEW EFFECTIVE DATE:

CLASS CONCEPT:
The first expert level class works under general direction & requires extensive knowledge of information systems technology & systems analysis & design, electrical engineering or telecommunications in order to provide technical advice & guidance to information technology personnel at middle & top management levels regarding any & all facets of information systems operations.
EFFECTIVE DATE: 01/10/1999

NEW EFFECTIVE DATE:

JOB DUTIES IN ORDER OF IMPORTANCE: (THESE DUTIES ARE ILLUSTRATIVE ONLY. INCUMBENTS MAY PERFORM SOME OR ALL OF THESE DUTIES OR OTHER JOB-RELATED DUTIES AS ASSIGNED.)

Provides technical information technology assistance to programming/systems staff regarding solutions to most difficult or complex information systems problems (e.g., software programming, systems analysis design methodologies, software &/or hardware incompatibilities, communications & data bases) & analyzes, designs & codes most technologically complex portions of application software systems.

Organizes & maintains software library; evaluates & verifies operation of vendor software & hardware; reads state-of-art technology materials; evaluates data processing products & recommends purchase.

Evaluates, analyzes and designs complex &/or inter-agency LAN/WAN implementation involving heterogenous platforms, protocols &/or network operating systems.

Assists users in resolving complex network problems; acts as liaison with state &/or national committees (e.g., national bureau of standards).

MAJOR WORKER CHARACTERISTICS:
Knowledge of information technology, electrical engineering or telecommunications which includes LAN/WAN architecture & principles, networking operation system & protocols & network monitory & capacity planning techniques; information hardware systems; systems analysis & design; high-level language computer programming; microcomputer systems & software development. Skill in operation of personal computer; keyboard. Ability to deal with many variables & determine specific course of action; read & interpret extensive variety of technical information technology material; communicate verbally or in writing on technical & non-technical matters.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:
Completion of associate or undergraduate core program in information technology, electrical engineering or telecommunications; 2 yrs. exp. or 2 yrs. exp. in systems analysis & design; 12 mos. additional trg. or 12 mos. additional exp. in one of following: systems development, telecommunications or networking.

-OR EQUIVALENT OF MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT NOTED ABOVE.

TRAINING AND DEVELOPMENT REQUIRED TO REMAIN IN THE CLASSIFICATION AFTER EMPLOYMENT:
Not applicable.

UNUSUAL WORKING CONDITIONS:
Work involves operation of computer terminal for long periods of time.
EFFECTIVE DATE: 01/10/1999

JOB DUTIES IN ORDER OF IMPORTANCE: (THESE DUTIES ARE ILLUSTRATIVE ONLY. INCUMBENTS MAY PERFORM SOME OR ALL OF THESE DUTIES OR OTHER JOB-RELATED DUTIES AS ASSIGNED.)

- Provides technical computer advice & guidance to information technology personnel at middle & top management levels regarding any & all facets of computer division/bureau operations (e.g., acquisition, systems/programming, computer operations, telecommunications networking, fiscal), participates in management short & long-term planning & assists in agency-wide policy & program development.

- Evaluates computer needs of agency & researches most difficult or complex information systems problems (e.g., overall information system efficiency, resource planning, coordination efforts between agency information technology operations); evaluates hardware & software products &/or evaluates procedures for acquisition & billing; keeps abreast of technological advances by reading technical trade journals & promotional materials; coordinates special projects & studies for administrator & writes reports of findings.

- Evaluates, analyzes & designs complex &/or inter-agency LAN/WAN implementation involving heterogeneous platforms, protocols &/or network operating systems.

- Represents agency in meetings with other governmental or agency officials; assists other agencies in resolving technical information technology problems; represents agency in conferences & on committees.

MAJOR WORKER CHARACTERISTICS:

Knowledge of information technology, electrical engineering or telecommunications which includes LAN/WAN architecture & principles, networking operation systems & protocols & network monitoring & capacity planning techniques; computer hardware systems; information systems analysis & design; high-level language computer programming; microcomputer systems & software development; computer acquisition procedures & fiscal controls*. Skill in use of personal computer; keyboard. Ability to deal with many variables & determine specific course of action; read & interpret extensive variety of technical information technology material; communicate verbally or in writing on technical & non-technical matters.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:

Completion of associate or undergraduate core program in information technology, electrical engineering or telecommunications; additional 2 1/2 yrs. trg. or (i.e., 30 mos.) exp. in systems analysis & design; 18 mos. additional trg. or exp. in one of following: systems development, telecommunications or networking.

- OR 6 mos. exp. as information technology consultant 1, 64161.

- OR equivalent minimum class qualifications for employment noted above.

TRAINING AND DEVELOPMENT REQUIRED TO REMAIN IN THE CLASSIFICATION AFTER EMPLOYMENT:
UNUSUAL WORKING CONDITIONS:
NOT APPLICABLE.