Next Available Appointment Utility

The current ‘next available appointment’ option in the Scheduling package is not extremely useful. While it does indicate the next appointment, it is not in a user-friendly display and has no programming hooks to be able to use the output.

This utility has two parts: routine **SDNEXTAD**, a main driver for the program and **SDNEXTAV** which does the appointment information lookup.

**SDNEXTAD** is a very short driver and may be copied by a site into a local routine for customization if desired.

**SDNEXTAV** is the appointment information lookup program.

SDNEXTAD

SDNEXTAD is the main driver for next appointment lookup.

Display Next Available Appointments

**Select a CLINIC:** GREEN TEAM

**Do you want only the first available appointment?** **No// Y (Yes)** – Enter Yes or No. If you enter no, you will be asked for a date range indicating the beginning and ending dates desired.

**Beginning date for the appointment search:** NOW// (MAR 14, 2015) – Enter the first date for an available appointment. The default is **NOW** or the current date/time.

Output:

Next Available Appointment

For Clinic: GREEN TEAM (15 minute appointments)

MAR 16,2015 08:00 (1)

Enter RETURN to continue or '^' to exit:

Date range for appointment examples:

Display Next Available Appointments

**Select a CLINIC:** GREEN TEAM

**Do you want only the first available appointment? No// (No)**

**Beginning date for the appointment search: NOW//** (MAR 14, 2015)

**Ending date for the appointment search: T+90//** (JUN 12, 2015)

Output example:

Available Appointments From MAR 14,2015 to JUN 12,2015

For Clinic: GREEN TEAM (15 minute appointments)

1. Mon MAR 16,2015 08:00 (1) 2. Mon MAR 16,2015 08:15 (1)

3. Mon MAR 16,2015 08:30 (1) 4. Mon MAR 16,2015 08:45 (1)

5. Mon MAR 16,2015 09:00 (1) 6. Mon MAR 16,2015 09:15 (1)

7. Mon MAR 16,2015 09:30 (1) 8. Mon MAR 16,2015 09:45 (1)

9. Mon MAR 16,2015 10:00 (1) 10. Mon MAR 16,2015 10:15 (1)

11. Mon MAR 16,2015 10:30 (1) 12. Mon MAR 16,2015 10:45 (1)

13. Mon MAR 16,2015 11:00 (1) 14. Mon MAR 16,2015 11:15 (1)

15. Mon MAR 16,2015 11:30 (1) 16. Mon MAR 16,2015 11:45 (1)

Enter RETURN to continue or '^' to exit:

SDNEXTAV

The **SDNEXTAV** is a routine that has three entry points (APIs) which return **future** available appointment information to the user. These APIs make it possible to write a custom front-end program to utilize them. For a clinic and depending on the entry point, it will display available dates within a **selected range**, only the **next available appointment** or simply return data in the variable **SDRETURN** to be used programmatically. In most queries, however, a clinic, a beginning date, and an ending date must be entered.

# Entry Points:

1. **QUIET^SDNEXTAV(SC,SDBDATE,SDEDATE,SDDELARR)** – For the clinic, beginning date, ending date supplied it returns a single array, **SDRETURN**, which contains a VA Fileman date and time and the number of available slots for it, separated by an up-arrow. No interactive output is generated and the next available appointment is returned in **SDRETURN**. The array **SDHR** is left defined if indicated by the variable **SDDELARR** in the API call.  
     
   Required variables:  
     
    **SC** – the IEN of the clinic  
    **SDBDATE** – the beginning date for the search  
    **SDEDATE** – the ending date for the search  
   **SDDELARR** – 1=kill the SDHR array, 0=leave defined (**0 is the default, if not supplied**)

Syntax: **D QUIET^SDNEXTAV(SC,SDBDATE,SDEDATE,SDDELARR) or**

**D QUIET^SDNEXTAV(SC,SDBDATE,SDEDATE) (to accept 0 default)**  
Output example:  
  
**SDRETURN=”3150105.09^4”**

Possible error messages returned in **SDRETURN  
  
CLINIC\_NOT\_FOUND** - The IEN of the clinic was not found.

 **CLINIC\_SETUP\_INFO\_NOT\_FOUND** – No setup information for the clinic was found.

 **NO\_CLINIC\_INCREMENTS\_PER\_HOUR** – The clinic setup did not have any increments per hour.

 **CLINIC\_CANCELLED\_FOR\_DATE** – The clinic was cancelled for the date.

 **CLINIC\_DOES\_NOT\_MEET\_ON\_HOLIDAYS** – A holiday date was requested and the clinic does not meet on holidays.

**NO\_NEXT\_AVAILABLE\_APPOINTMENT\_FOUND** – There was no future appointment found.

1. **ONE^SDNEXTAV(SC,SDBDATE,SDEDATE,SDDELARR)** – Called from **SDNEXTAD** and it returns a single date and time for the next appointment available for the date and clinic supplied. It is designed to return the data interactively. The array **SDHR** is left defined if indicated in the API call. **SDRETURN** is NOT returned in this call.  
     
   Required variables:  
     
    **SC** – the IEN of the clinic  
    **SDBDATE** – the beginning date for the search  
    **SDEDATE** – the ending date for the search  
   **SDDELARR** – 1=kill the SDHR array, 0=leave defined (**0 is the default, if not supplied**)

Syntax: **D ONE^SDNEXTAV(SC,SDBDATE,SDEDATE,SDDELARR) or**

**D ONE^SDNEXTAV(SC,SDBDATE,SDEDATE) (to accept 0 default)**Output example:  
  
Next Available Appointment

For Clinic: GREEN TEAM (15 minute appointments)

MAR 16,2015 08:00 (1)

1. **ALL(SC,SDBDATE,SDEDATE,SDDELARR)**– Called from **SDNEXTAD** and it returns all appointments available for the date range and clinic supplied.  
     
   Required variables:  
     
    **SC** – the IEN of the clinic  
    **SDBDATE** – the beginning date for the search  
    **SDEDATE** – the ending date for the search  
   **SDDELARR** – 1=kill the SDHR array, 0=leave defined (**0 is the default, if not supplied**)

Syntax: **D ALL^SDNEXTAV(SC,SDBDATE,SDEDATE,SDDELARR) or  
 D ALL^SDNEXTAV(SC,SDBDATE,SDEDATE) (to accept 0 default)**Output example:  
  
Available Appointments From MAR 14,2015 to JUN 12,2015

For Clinic: GREEN TEAM (15 minute appointments)

1. JAN 12,2015 08:00 (4) 2. JAN 12,2015 08:30 (4)

3. JAN 12,2015 09:00 (4) 4. JAN 12,2015 09:30 (4)

5. JAN 12,2015 10:00 (4) 6. JAN 12,2015 10:30 (4)

7. JAN 12,2015 11:00 (4) 8. JAN 12,2015 11:30 (4)

# Programmer notes:

From the API calls, the following variables are left defined only if indicated in the API call and will be the responsibility of the programmer to clean up when exiting the calling program if left.

**QUIET^SDNEXTAV**

**SDHR() –** An array which contains the date/hours and available slots of the clinic for the selected date window. Zero availability is returned and indicated by displaying the variable SDNOAPP, **"*There were no available appointments found for the date entered.*"**

**SDRETURN** - a single variable which contains a VA Fileman date/time and available slots, separated by an up-arrow.

**ONE^SDNEXTAV** and

**ALL^SDNEXTAV**

**SDHR() –** An array which contains the date/hours and available slots of the clinic for selected date window. Zero availability is returned and indicated by displaying the variable SDNOAPP, **"*There were no available appointments found for the date entered.*"**

**SDRETURN** is not defined in these two API calls.