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16 UNITED STATES DISTRICT COURT  
17 FOR THE NORTHERN DISTRICT OF CALIFORNIA  
18 OAKLAND DIVISION

19 )  
20 ) CAROLYN JEWEL, TASH HEPTING,  
21 ) YOUNG BOON HICKS, as executrix of the  
22 ) estate of GREGORY HICKS, ERIK KNUTZEN  
23 ) and JOICE WALTON, on behalf of themselves  
24 ) and all others similarly situated,  
25 )  
26 ) Plaintiffs,  
27 )  
28 ) v.  
29 ) NATIONAL SECURITY AGENCY, *et al.*,  
30 )  
31 ) Defendants.

CASE NO. 08-CV-4373-JSW

**Declaration of Phillip Long**

The Honorable Jeffrey S. White

1 I, PHILIP LONG, declare as follows:

2 1. I have personal knowledge of the facts set forth below and if called as a witness  
3 could and would competently testify thereto.

4 2. I worked for AT&T and its successor and related entities from 1972 to 1988 and  
5 from 1996 to 2015.

6 3. I am a graduate of the University of Nevada, Las Vegas in business management. I  
7 have an FCC 1st class radio license with a telegraph and radar endorsement.

8 4. In 1972 I began working for AT&T's subsidiary Nevada Bell in Las Vegas, Nevada.  
9 My position was Long Lines transmission man. I worked on microwave transmission. At that  
10 time, microwave transmission was a principal means of long distance communication.

11 5. In 1977, I transferred to San Francisco, California and began working for Pacific  
12 Bell, another AT&T subsidiary. I was stationed at 555 Pine Street but some of my work was done  
13 at AT&T's 611 Folsom Street location in San Francisco. My position was chief transmission man.

14 6. I left Pacific Bell in 1988 to work for Alameda County. My duties involved radio  
15 and microwave communications, installation, and repair.

16 7. I returned in 1996 to work for Pacific Bell. My position was senior systems  
17 technician. All of my work involved setting up, connecting, and maintaining Internet circuits,  
18 including connecting customers to AT&T's Internet backbone circuits. I was stationed in Concord,  
19 California at a Network Data Plant Service Center, a central location for managing data  
20 transmissions services. My work included responsibility for the 611 Folsom Street facility. I did  
21 work both onsite and remotely at 611 Folsom Street. Much of the work in setting up, testing, and  
22 routing circuits is now done remotely from service centers, where technicians can perform the  
23 work electronically.

24 8. My work location transferred to San Ramon, California Network Operations Center  
25 in approximately 2000. But Pacific Bell kept significant equipment in Concord, including frame  
26 relay (and later ATM) equipment that connects customers directly to the Internet backbone. These  
27 connections did not run through any facilities in San Francisco.

28 9. The Concord frame relay connection to the Internet backbone encompassed

1 customers in a large region of California, including at various times locations such as Oakland,  
2 Fresno, Visalia, Bakersfield, Castaic.

3 10. Other Pacific Bell locations in Northern California had similar frame relay  
4 equipment that allowed for direct connections to the Internet backbone, including San Jose and  
5 Sacramento.

6 11. Sometime in the first half of the 2000s, we began receiving service orders that made  
7 no sense to me from an engineering or business standpoint.

8 12. We were directed to start rerouting Internet backbone connections through 611  
9 Folsom Street, rather than through the nearest frame relay or ATM switch.

10 13. Among the rerouted connections that that I recall were the Internet backbone  
11 connections for Concord, San Jose, Sacramento, Oakland, Walnut Creek, Castaic, Bakersfield,  
12 Fresno, Visalia, Ukiah, and Reno, Nevada.

13 14. Internet backbone connections between these locations were also rerouted. For  
14 example, what had been a direct Internet backbone link between Sacramento and Los Angeles now  
15 became a link from Sacramento to 611 Folsom Street, followed by a link from 611 Folsom Street  
16 to Los Angeles. Likewise, what had been a direct Internet backbone link from Concord to  
17 Sacramento became an indirect link running from Concord to 611 Folsom Street to Sacramento.

18 15. Rerouting Internet traffic in this circuitous and indirect manner made no sense from  
19 an engineering or business standpoint.

20 16. Another example is Concord. Rather than joining the Internet backbone directly in  
21 Concord, Internet traffic arriving in Concord was first sent to 611 Folsom Street and then sent back  
22 from 611 Folsom Street to Concord, where it then connected to the Internet backbone. This round-  
23 trip was a pointless waste of circuit capacity.

24 17. Similarly, Internet traffic that had once connected to the Internet backbone in San  
25 Jose was now sent to 611 Folsom Street instead to connect to the Internet backbone there.

26 18. In addition, San Francisco-bound traffic that was once sent to 555 Pine Street was  
27 now sent to 611 Folsom Street instead, even though 555 Pine Street was a larger hub with more  
28 communications connections.

1           19.     The effect was to centralize Internet traffic at 611 Folsom Street that previously had  
2 connected to the Internet backbone at numerous, more decentralized locations. Internet traffic was  
3 no longer being routed to the closest or most efficient point of connection to the Internet backbone.

4           20.     I recall that we also rerouted circuits from San Diego and Los Angeles in Southern  
5 California to 611 Folsom Street to connect to the Internet backbone there. Because there are  
6 numerous Internet backbone connection points in Southern California, bringing that traffic to San  
7 Francisco to connect to the Internet backbone made no sense.

8           21.     In my work at 611 Folsom Street in the 2000s, I became familiar with Room 641A  
9 on the sixth floor. Room 614A was always kept locked and ordinary technicians were not allowed  
10 inside. This was contrary to standard practice in every other similar facility I have ever worked in.  
11 Technicians need access to everyplace that cable runs in a facility in order to do their work.

12           22.     I was instructed to bring fiber optic cable connected to equipment in 611 Folsom  
13 Street and leave the terminating end of the cable on the floor in front of the door to Room 641A.  
14 This is contrary to standard practice, which is to terminate fiber optic cable into a known piece of  
15 equipment. Later, we connected a fiber optic terminal jack to the end of the cable outside of Room  
16 641A. Another fiber optic cable then ran from the fiber optic terminal jack into Room 641A.

17           23.     In 2009, the Network Operations Center transferred to Sacramento, but it remained  
18 responsible for circuits and operations in 611 Folsom Street as well as elsewhere in Northern and  
19 Central California.

20           24.     I continued working at the Sacramento Network Operations Center until my  
21 retirement in 2015.

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